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NTS

Past Papers

for

Educator

Test

27. The specific learning outcomes should be realistic, observable and:

A. Relevant
B. Measurable
C. Valid
D. Comprehensive
E. Teachable

B

28. In 'Little by Little One Walks Far', the first job of the writer was:

A. at a boarding school
B. at the English language center
C. at McDonalds'
D. at D.K academy

B

29. Great Expectations is a story from ________.

A. 17th century
B. 18th century
C. 19th century
D. 21st century

C

30. In lesson 'Faithfulness', 'Halt' refers to ________.

A. Stay
B. Stop
C. Eat
D. Mount
E. Crash

B

31. Which of the following is a jelly-like substance which makes up most of the cells in both plants and animals?

A. Epidermis
B. Cytoplasm
C. Palisade
D. Chloroplast

B

32. In human beings, hydrogen ion concentration of blood is mainly maintained by:

A. Evaporation
B. Respiration
C. Osmo-regulation
D. Sweating
E. Transpiration

C

ENGLISH

Questions 1-3 are based on the following passage.

Psychologists have found that privately made resolutions are rarely followed. *whereas a public commitment to achieve some goal, such as losing weight or giving up smoking, is likely to be much more effective. This is because the approval of others for reaching one's target is valued.* In contrast, disapproval for failure can lead to feelings of shame.

Advertising agencies have designed studies hearing out the truth of this observation. In their research, a group of strangers was bombarded with information about the qualities of a particular product. They were then asked to either announce out loud or write down privately whether they intended to buy the product. It was later discovered that those who publicly declared their intention to buy were considerably more likely to do so than those who affirmed their intentions in private.

In another study, an experimenter claiming to represent a local utility company interviewed homeowners, telling them he was investigating ways in which energy consumption could be reduced. Half the subjects, randomly selected, were told that if they agreed to conserve energy, their names would be mentioned in an article published in the local newspaper: the remaining half were told their names would not be used. All those interviewed agreed to cooperate and signed a form either giving consent for their names to be used or stating that their names would not be used. Later in the year, the amount of gas consumed in each house was recorded. The owners who had agreed to their names being published had used significantly less gas than those who remained anonymous.

1. It can be inferred that all of the following help motivate a person to achieve a goal EXCEPT:

   A. a desire for approval
   B. a fear of disapproval
   C. a fear of failure
   D. a sense of noncommitment

D

2. Why were advertising agencies probably interested in conducting their study?

   A. They want to introduce their people to more products.
   B. They wanted to demonstrate the quality of their clients' product.
   C. They wanted to know if people intended to purchase their clients' products.
   D. They wanted to find the best way to get people to buy their clients' products.

D

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33. Which of the following is NOT an element because it is a mixture of iron, carbon and chromium?

A. Magnesium
B. Zinc
C. Neon
D. Steel
E. Silver

D

34. Cement powder mixed with water forms a thick suspension, called a ________.

A. lotion
B. hybrid
C. cleaner
D. slurry

D

35. مرزا محمد سعید کراچی یونیورسٹی میں ______ تھے۔

A. کلرک
B. ڈی پی او
C. مشیر
D. وائس چانسلر

C

36. سبق "پرستان کی شہزادی" میں موجود " خاتون " روٹی کے عوض ______ کے بچوں کو قرآن پڑھا یا کرتی تھیں۔

A. سردار صاحب
B. صاحب بہادر
C. میر صاحب
D. چوہدری صاحب

C

37. 'چغل خور' اپنے مالک کے بارے میں بتاتا ہے کہ انہیں ______ کی بیماری ہو گئی ہے۔

A. ٹی بی
B. کینسر
C. یرقان
D. کوڑھ

D

38. A school is considered to be child friendly if it provides all of the following EXCEPT:

A. Safe environment
B. Healthy environment
C. Protective environment
D. Relaxed discipline

D

39. The classroom teaching requires teachers to pay greater attention to:

A. The classroom discipline
B. The subject matter
C. The needs of every individual child
D. The teaching method

C

40. In Pakistan for promoting a child friendly atmosphere in the entire department of education, the Government of Punjab has linked it with its policy of:

A. Recruitment of educators and AEOs
B. Up-gradation of schools
C. Improvement of examination system
D. Release of grants

A

41. Professional Development Teachers appointed in TARCs were necessarily:

A. Mixed i.e. male and female
B. Male
C. Female
D. Gender-wise rotated

C

42. Relationship of contents of a subject at different classes in school curriculum is called:

A. Centralization
B. Horizontal Organization
C. Vertical Organization
D. Decentralization

C

43. Hilda Taba's Curriculum Model has:

A. Seven Stages
B. Nine Stages
C. Three Stages
D. Five Stages

D

44. The characteristics of the tool that it measures what it is designed to measure is:

A. Validity
B. Objectivity
C. Reliability
D. Usability

A

45. To determine the students level at the beginning of the instruction, teacher uses:

A. Placement Assessment
B. Formative Assessment
C. Diagnostic Assessment
D. Summative Assessment

A

46. A test is said to be valid when it:

A. is fair and free from teacher bias
B. measures what it claims to measure
C. produces consistent results, over time
D. has safeguards against cultural bias

B

47. Education administrators of a particular district want to find out how well their district is achieving standards set by the government. What sort of test should be used for this purpose?

A. Norm-referenced
B. Criterion-referenced
C. Functionally-referenced
D. Teacher-referenced

B

48. The incorrect options in multiple choice questions are named as:

A. Responses
B. Premises
C. Distracters
D. Answers
E. Hurdles

C

49. Comprehension is the ________ level in the Bloom's Taxonomy of Educational Objectives.

A. first
B. second
C. third
D. fourth

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3. This passage supports which of the following conclusions?
   A. Commitments made in private are more likely to b...
   B. Disapproval for failure makes people less willing to ... public commitments.
   C. Intentions announced out loud are more effective ... those published in newspapers.
   D. Well-informed people are more likely to publicly de... their intentions.

A

Complete the sentences by choosing the most appro... option, from the given choices (A to D/E) below each.

4. As genetic research and data grow in respect and amount, th... question of ______ vs. environment, or nature vs. ______ ... painfully resolving itself, with the geneticists currently in command.
   A. genes ... culture
   B. personality ... modernity
   C. upbringing ... civilization
   D. heredity ... nurture
   E. family ... community

D

5. Furniture designed by Sara has clean, simple lines; it lacks the ______ embellishments found in some other styles.
   A. severe
   B. ornate
   C. untoward
   D. unadorned
   E. understand

B

6. If the consultant ______ that we should hire more staff, Ali wouldn't be working here now.
   A. should not recommend
   B. doesn't recommend
   C. hadn't recommended
   D. wasn't recommend

C

Five options (A to E) follow a related pair of words given in capitals. Select the option that best expresses a relationship similar to that expressed in the original pair.

7. INTRANSIGENT : FLEXIBILITY::
   A. transient : mobility
   B. disinterested : partisanship
   C. dissimilar : variation
   D. progressive : transition
   E. ineluctable : modality

B

8. EXHIBITIONIST: ATTENT...
   A. sycophant: tu...
   B. scientist: pow...
   C. megalomania...
   D. martyr: anon...
   E. mercenary: ...

9. ANARCHY: ORDER::
   A. desolation:...
   B. ineptitude:...
   C. bastion: a...
   D. chaos: dis...
   E. parsimon...

Change the voice ...

10. Ali put his coat or...
   A. His coa...
   B. His coa...
   C. His co...
   D. His co...
   E. His co...

11. Unless the sale...
   A. The ... star...
   B. The ... sta...
   C. Th... st...
   D. Th... s...
   E. T... s...

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A. Validity
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A

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B. second
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8. EXHIBITIONIST: ATTENTION::

A. sycophant: turmoil
B. scientist: power
C. megalomaniac: solitude
D. martyr: anonymity
E. mercenary: money

E

9. ANARCHY: ORDER::

A. desolation: annihilation
B. ineptitude: skill
C. bastion: aegis
D. chaos: disarray
E. parsimony: elegance

B

Change the voice of the following. (Active & passive voice)

10. Ali put his coat on, because it was cold.

A. His coat was put on by Ali, because it was cold.
B. His coat put on by Ali, because it was cold.
C. His coat is put on by Ali, because it was cold.
D. His coat is being put on by Ali, because it is cold.
E. His coat will be put on by Ali, because it is cold.

A

11. Unless the sale starts, I will not buy the watch.

A. The watch will not being bought by me unless the sale starts.
B. The watch will not been bought by me unless the sale starts.
C. The watch will not be bought by me unless the sale starts.
D. The watch shall not be being bought by me unless the sale starts.
E. The watch would not be bought by me unless the sale starts.

C

Change the narration of the following (Direct & indirect speech)

12. "When will he be back?" She said. "I have a secret to share with him."

A. She inquired when he will be back and said that she had a secret to share with him.
B. She inquired when he would be back and said that she had a secret to share with him.
C. She asked when he would be back and said that she has a secret to share with him.
D. She inquired when he be back and asked that she had a secret to share with him.
E. She inquired when he comes back and said that she has a secret to share with him.

B

13. "Good morning!" The maid said when she saw me. "How are you today? I heard you had been very ill."

A. The maid exclaimed with sorrow that I had been very ill and asked how am I now.
B. The maid greeted me and told that she heard about my illness.
C. The maid greets me and asks about my health, adding that she had heard that I had been very ill.
D. The maid greeted me and asked about my health, adding she had heard that I had been very ill.
E. The maid greeted me and asked about my health, adding that she heard that I had been very ill.

D

Each of the following questions consists of a sentence with all or part of the sentence underlined. Following the requirements of standard written English, select (A) if the original is best; otherwise choose the best phrase from the options.

14. Having the same strength but much less weight when compared with metal, carbon fiber plastic composites are ideal materials for prostheses to replace lost limbs.

A. Having the same strength but much less weight when compared with metal,
B. By being stronger and having much less weight than metal
C. Stronger and less weightier than metal
D. With the same strength but much less weighty when compared with metal
E. As strong as and lighter than metal

E

15. Renaiss artists resultir

A.
B.
C.
D.
E.

22. Kinesthetic learning style refers to:

A. hearing and speaking
B. association with images
C. first see what they expect to know
D. students carrying out physical activities

D

23. Accomplished teacher is the one who:

A. covers syllabus on time
B. stays full time during his lesson
C. maintains discipline in the class
D. captures and sustains the interest of students

D

24. The statement "Disciplined questioning is to get the truth of the matter" is given by:

A. Socrates
B. Aristotle
C. Plato
D. Pythagoras

A

25. Who is advocate of the Cognitive Theory of teaching?

A. Benjamin Bloom
B. McDonald
C. Rayon
D. Nathaniel Lees Gage
E. BF Skinner

D

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URDU

26. اردو کے کس مرثیہ نگار نے مرثیے کو مستقل فن کی صورت دی؟

C

A. سودا
B. میر ضاحک
C. میر ضمیر
D. میر انیس
E. مرزا دبیر

27. ملاوجہی کی داستان "سب رس" کا قصہ موضوعی حوالے سے کیا ہے؟

D

A. تاریخ
B. رومانیات
C. عشق
D. تمثیل
E. افسانہ طرازی

28. غالب پر لکھی گئی کس کتاب میں زیادہ تر مواد ان کے خطوط سے لیا گیا ہے۔

A

A. یادگار غالب
B. تنقید غالب کے سو سال
C. عود ہندی
D. نوائے سروش
E. ماہ نیم ماہ

29. اس شعر میں صنائع معنوی کی کون سی خوبی ہے؟

یک سب اگ ایک سب پانی
دیدہ و دل عذاب ہیں دونوں

D

A. صنعت تضاد
B. صنعت مقابلہ
C. لف و نشر
D. لف و نشر غیر مرتب
E. لف و نشر مرتب

30. "وتدمجموع" سے کیا مراد ہے۔

B

A. سبب خفیف
B. سبب ثقیل
C. فاصلہ صغری
D. فاصلہ کبری

31. مرزا ادیب کی وجہ شہرت کن ڈراموں کی بدولت ہے؟
A. اسٹیج
B. ریڈیو
C. ٹی وی
D. کتابی
E. معاشرتی
B
32. "مردم دیدہ" کے خاکوں کا موضوع کیاہے؟
A. لوگ
B. اشخاص
C. منظر
D. احباب
D
33. یہ شعر کس صنف سے تعلق رکھتا ہے؟
پہنچتا ہے ہر اک مے کش کے آگے دور جام اس کا
کسی کو تشنہ لب رکھتا نہیں ہے لطف عام اس کا
A. حمد
B. نعت
C. غزل
D. نظم
E. منقبت
A
34. "قطعہ کلامی" کس کی تخلیق ہے؟
A. انورمسعود
B. انورمقصود
C. ابن انشاء
D. مستنصرحسین تارڑ
E. انتظارحسین
A
35. میرتقی میرکی غزلیات کا بنیادی موضوع کیاہے؟
A. غم
B. خوشی
C. لطف اندوزی
D. امید
E. جنگ
A
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67. Which of the following is subset of A = {10, 20, 30}?

A. { 10, 30, 50 }
B. { 10, 20, 30, 40 }
C. { 10, 20 }
D. { 20, 30, 40}
E. { 10, 30, 40}

C

68. Which of the following is the successor of 625,980?

A. 625,979
B. 625,980
C. 625,981
D. 625,978
E. 625,970

C

69. How many non-collinear points determine a plane?

A. 5 points
B. 4 points
C. 3 points
D. 2 points
E. 1 point

C

70. The profit of Rs. 40,000 at the rate of 3% per year for 4 years is Rs:

A. 5,800
B. 4,890
C. 4,850
D. 4,800
E. 480

D

71. Which of the following test items is best suited for measuring performance in expression?

A. MCQs
B. Fixed Choice
C. Essay Type
D. Short Answer questions
E. True/false

C

72. The process of examining student responses to individual test items to assess the quality of those items as a whole is known as

A. Item difficulty
B. Item discrimination
C. Item analysis
D. Item index
E. Item scanning

B

73. The proper action verb
Application in cognitive

A. demonstrate
B. construct
C. appreciate
D. list

74. The concept of struct
taxonomy was propo

A. Kant
B. Bloom
C. Biggs
D. Skinner

75. In response to a cu
time. Such sort of f

A. Choral Re
B. Idea Spi
C. Analogy
D. Portfolio

73. The proper action verb to formulate SLOs for the level of Application in cognitive domain of Bloom's Taxonomy is:

A. demonstrate
B. construct
C. appreciate
D. list

A

74. The concept of structure of observed learning outcomes (SOLO) taxonomy was proposed by:

A. Kant
B. Bloom
C. Biggs
D. Skinner

C

75. In response to a cue, all students answer verbally at the same time. Such sort of formative assessment is called:

A. Choral Response
B. Idea Spinner
C. Analogy Prompt
D. Portfolio Check

A

ears is

ring

est
vn as:

SUBJECT TWO

76. The authority to establish a Farogh-e-Taleem Fund for schools been granted under the ________.

C

- A. Punjab Farogh-e-Taleem Act, 2013
- B. Punjab Free and Compulsory Education Act, 2013
- C. Punjab Free and Compulsory Education Act, 2014
- D. Punjab Education Quality Improvement Act, 2015

77. For how many districts of Punjab was the Non Salary Budget started in the year 2013-14?

- A. Fifteen
- B. Fourteen
- C. Twelve
- D. Ten
- E. Eight

D

78. Who will maintain, in the prescribed manner, a record of children up to the prescribed age limit residing within its jurisdiction?

- A. Head of the school
- B. Local Government
- C. District Education Officer
- D. Provincial Government

B

79. What are the two distinct parts of a file?

- A. Comments part and correspondence part
- B. Correspondence part and observations part
- C. Critical part and non-critical part
- D. Correspondence part and noting part

D

0. Which one of the following processes is excluded from the most correct definition of record keeping in a school or office?

- A. Receiving
- B. Commenting
- C. Classifying
- D. Preserving

B

According to the instruction for the year 2014-15 Non Salary Budget, which one of the followings comes under the heading Fixed' for the purpose of allocation of Non Salary Budget?

- A. Photocopying and printing
- B. Electricity, minor repair
- C. Computer and other requirements
- D. Learning material

A

PEDAGOGY

16. Which one of the following is the source of mistakes in educational measurements?

A. Teacher's educational background
B. Examination system of the board
C. Tools used in educational assessment
D. In-effective teaching methodology

17. When referring to Bloom's taxonomy, remembering refers to:

A. recognizing and recalling
B. constructing meaning from different functions
C. carrying out a procedure
D. breaking material or concepts into parts

18. Kinesthetic learning style refers to:

A. hearing and speaking
B. association with images
C. first see what they expect to know
D. students carrying out physical activities

19. Accomplished teacher is the one who:

A. covers syllabus on time
B. stays full time during his lesson
C. maintains discipline in the class
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20. The statement "Disciplined questioning is to get the truth of the matter" is given by:

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E. BF Skinner

URDU

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A. اسٹیج
B. ریڈیو
C. ٹی وی
D. کتابی
E. معاشرتی

27. "مردم دیدہ" کے خاکوں کا موضوع کیاہے؟

A. لوگ
B. اشخاص
C. منظر
D. احباب

28. یہ شعر کس صنف سے تعلق رکھتا ہے؟

پہنچتا ہے ہر اک مے کش کے آگے دور جام اس کا
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A. حمد
B. نعت
C. غزل
D. نظم
E. منقبت

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A. انورمسعود
B. انورمقصود
C. ابن انشاء
D. مستنصرحسین تارڑ
E. انتظارحسین

30. میرتقی میرکی غزلیات کا بنیادی موضوع کیاہے؟

A. غم
B. خوشی
C. لطف اندوزی
D. امید

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B. memory
C. hearing
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C. Cauterization
D. Valuing
E. Organization

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PEDAGOGY

16. Which one of the following is the source of mistakes in educational measurements?

A. Teacher's educational background
B. Examination system of the board
C. Tools used in educational assessment
D. In-effective teaching methodology

17. When referring to Bloom's taxonomy, remembering refers to:

A. recognizing and recalling
B. constructing meaning from different functions
C. carrying out a procedure
D. breaking material or concepts into parts

18. Kinesthetic learning style refers to:

A. hearing and speaking
B. association with images
C. first see what they expect to know
D. students carrying out physical activities

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A. غم
B. خوشی
C. لطف اندوزی
D. امید

8. EXHIBITIONIST: ATTENTION::

A. sycophant: turmoil
B. scientist: power
C. megalomaniac: solitude
D. martyr: anonymity
E. mercenary: money

9. ANARCHY: ORDER::

A. desolation: annihilation
B. ineptitude: skill
C. bastion: aegis
D. chaos: disarray
E. parsimony: elegance

Change the voice of the following. (Active & passive voice)

10. Ali put his coat on, because it was cold.

A. His coat was put on by Ali, because it was cold.
B. His coat put on by Ali, because it was cold.
C. His coat is put on by Ali, because it was cold.
D. His coat is being put on by Ali, because it is cold.
E. His coat will be put on by Ali, because it is cold.

11. Unless the sale starts, I will not buy the watch.

A. The watch will not being bought by me unless the sale starts.
B. The watch will not been bought by me unless the sale starts.
C. The watch will not be bought by me unless the sale starts.
D. The watch shall not be being bought by me unless the sale starts.
E. The watch would not be bought by me unless the sale starts.

PEDA...

16.Willingness to take part in teacher's demonstration is:

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B. Responding
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D. Valuing
E. Organization

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22.Kinesthetic

A. he
B. as
C. fi
D. st

23.Accomplish

A. c
B. s
C.
D.

24.The state matter" i

A.
B.
C.
D.

25.Who is a

A.
B.
C.
D.
E.

URDU

26. اردو کے کس مرثیہ نگار نے مرثیے کو مستقل فن کی صورت دی؟

A. سودا
B. میر ضاحک
C. میر ضمیر
D. میر انیس
E. مرزا دبیر

27. ملاوجہی کی داستان "سب رس" کا قصہ موضوعی حوالے سے ہے؟

A. تاریخ
B. لسانیات
C. عشق
D. تمثیل
E. افسانہ طرازی

28. غالب پر لکھی گئی کس کتاب میں زیادہ تر مواد ان کے خطوط سے لیا گیا ہے۔

A. یادگار غالب
B. تنقید غالب کے سو سال
C. عود ہندی
D. نوائے سروش
E. ماہ نیم ماہ

29. اس شعر میں صنائع معنوی کی کون سی خوبی ہے؟

ایک سب آگ ایک سب پانی
دیدہ و دل عذاب ہیں دونوں

A. صنعت تضاد
B. صنعت مقابلہ
C. لف و نشر
D. لف و نشر غیر مرتب
E. لف و نشر مرتب

30. "وتدمجموع" سے ...

A. سبب خفیف
B. سبب ثقیل

31. مرزا ادیب کی وجہ شہرت کن ڈراموں کی بدولت ہے؟

A. اسٹیج
B. ریڈیو
C. ٹی وی
D. کتابی
E. معاشرتی

32. "مردم دیدہ" کے خاکوں کا موضوع کیاہے؟

A. لوگ
B. اشخاص
C. منظر
D. احباب

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A. حمد
B. نعت
C. غزل
D. نظم
E. منقبت

34. 'قطعہ کلامی' کس کی تخلیق ہے؟

A. انورمسعود
B. انورمقصود
C. ابن انشاء
D. مستنصرحسین تارڑ
E. انتظارحسین

35. میرتقی میرکی غزلیات کا بنیادی موضوع کیاہے؟

A. غم
B. خوشی
C. لطف اندوزی
D. امید
E. جنگ

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36. لفظ "ایہام" سے کیا مراد ہے؟
A. وسوسہ
B. فریب
C. وہم
D. جادو
E. امید

37. کس شاعر نے شعرائے ہند کی شاعری کا رخ فارسی سے اردو طرف موڑا؟
A. میرحسن
B. ذوق
C. غالب
D. درد
E. خان آرزو

38. کس کلاسیکی غزل گو کی غزل "واہ" کی علامت ہے؟
A. نصرتی
B. ولی
C. نشاطی
D. سودا
E. مظہر جان جاناں

39. اس شعر میں علم بیان کی کون سی خوبی ہے۔
شمع کی مانند ہم اس بزم میں
چشم نم آئے دامن تر چلے
A. کنایہ
B. مجازمرسل
C. استعارہ
D. تشبیہ
E. تصریح

40. جرأت کی مثنوی "بحر الفت" کا موضوع کیا ہے؟
A. عشق
B. تصوف
C. ہجر
D. شکایت زمانہ

ISLAMIYAT/SOCIAL STUDIES

41. Under the constitution of 1973 of Pakistan, the prime function of Islamic Ideological Council is to ______ steps for Islamization of State and Society in Pakistan.

A. recommend
B. instruct
C. order
D. request
E. advise

42. Lofty snow covered mountains lie between Pakistan and China, among them Karakoram Highway links the two countries via the ______ pass.

A. Khunjerab
B. Tochi
C. Bolan
D. Khyber

43. Which of the following parties emerged as single majority Political Party after 1970 general election in West Pakistan?

A. Muslim League
B. Jamat-i-Islami
C. Pakistan Peoples Party
D. National Awami Party

44. The birth year of Hazrat Muhammad (SAW) is called ________.

A. Am ul Hazoor
B. Am ul Feel
C. Am ul Ka'aba
D. Am ul Makkah

45. "Bait-e-Rizwan" was made to take the revenge of:

A. Hazrat Hamzah (RA)
B. Hazrat Usman (RA)
C. Hazrat Ali (RA)
D. Hazrat Umar (RA)

46. What do you understand by "Al-Fay"?

A. Land cultivated by Muslims
B. Land cultivated by Non-Muslims
C. Conquered land by Muslims which became the property of Islamic state
D. Hilly pl...

47."Islam is based on five pillars: to declare that there is no God but Allah and Hazrat Muhammad (SAW) is the Messenger of Allah, to establish prayers, to pay Zakat, to perform the pilgrimage and to fast in Ramazan". It is:

A. Qur'anic verse
B. Hadis of the Holy Prophet
C. Saying of Sahaba
D. Commonly accepted principle

48.Which was the first battle fought by the Muslims against the Makkans?

A. Khyber
B. Tabook
C. Khandaq
D. Badr

49.Religiously required per capita yearly tax historically levied by Islamic States on certain non-muslim subjects is known as:

A. Ushr
B. Khums
C. Jizya
D. Takaful

50.What is the meaning of Bashir?

A. The messenger of good news
B. The prophet
C. The illuminating
D. The true friend

51.When was the All India Muslim League formed?

A. 1905
B. 1906
C. 1907
D. 1908
E. 1909

52.Who was the first Sindh Education Minister?

A. Pir Illahi Bukhsh
B. Pir kamal
C. Pir Paghara
D. Pir Shah Pyaray
E. Pir Meher Ali Shah

53.With which

54.Pakistan's

55.The nee
than eve

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53. With which one of the following will you associate Bolan Pass?

A. Baluchistan
B. KPK
C. Sind
D. Punjab
E. Gilgit Baltistan

54. Pakistan's "Five years Plan" started with the help of ______

A. USA
B. UK
C. Canada
D. Saudi Arabia
E. Sudan

55. The need for a greater international understanding is more today than ever because of the issue of ________ in the recent past

A. floods
B. wars
C. diseases
D. terrorism
E. Illiteracy

SUBJECT TWO

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B. Verbal bullying
C. Relational bullying
D. Cyber bullying

.Which of the following vitamins is NOT found in carrot?

A. D
B. C
C. B
D. A

87.Which of the following is correct description of Laceration?

A. Cut caused by sharp object
B. Sun stroke
C. A state of choking
D. A state of Nausea

88.Which of the following justify the concept of the belief that groups of people are better than others?

A. Racism
B. Tolerance
C. Prejudice
D. Genocide

9.All of the following are included in the intolerance EXCEPT?

A. Physical intolerance
B. Verbal intolerance
C. Cyber intolerance
D. Fear intolerance
E. Social intolerance

).When were the first provincial election conducted in subcontinent under British rule?

A. 1935
B. 1936
C. 1937
D. 1940
E. 1941

.Cabinet Mission was sent by British Government to negotiate independence options. It consisted of ______ members.

A. 2
B. 3
4

92.First se

A.
B.
C.
D.
E.

93.Treaty of

A.
B.
C.
D.

94.The Change

A. 5 A
B. 4 A
C. 3 A
D. 2 A
E. 1 A

95.The companio mutilated in th

A. Abu
B. Hazra
C. Hazra
D. Hazra

96.As a safety meas in ______ administration.

A. student
B. school h
C. student
D. student
E. student

97.To ensure children's a map posted identi

A. one
B. two
C. three
D. four
E. five

8.The process in the ecosystem which is a response to excess nutrients stimulating excessive plant growth is called:

A. Decentralization
B. Eutrophication
C. Bioaccumulation
D. Purification
E. Anaerobic respiration

9.An environmental protocol is a sort of international law, inte[r] as legally binding with a primary stated purpose of preventin[g] managing human impacts on:

A. Industrial growth
B. Global Economic growth
C. Strategic relations
D. Natural resources

[1]00. Which of the following is NOT a prime aim of international protocols for environment?

A. Reduction of emission of four Green House Gases
B. Resolving the environmental issues
C. Encouraging the utilization of fossil fuels
D. Controlling environmental Pollution

t session of Constituent Assembly of Pakistan was held on:

A. 11th August 1947
B. 14th August 1947
C. 17th August 1947
D. 21st August 1947
E. 23rd August 1947

eaty of Hudaybiyyah was signed between:

A. Different tribes of Mecca and Madina
B. Muslims of Mecca and Madina
C. Quraish of Mecca and Muslims of Madina
D. Muslims of Mecca and other tribes

.The Change of Qibla from Bait-ul-Muqaddas to Mecca took place in:

A. 5 A.H
B. 4 A.H
C. 3 A.H
D. 2 A.H
E. 1 A.H

95.The companion of Prophet(SAW) whose body was desecrated and mutilated in the Battle of Uhud was:

A. Abu Sufyan
B. Hazrat Hamza
C. Hazrat Ali
D. Hazrat Usman

96.As a safety measure, emergency phone numbers must be included in ______________ and posted in classrooms by the school administration.

A. students diaries
B. school handbooks
C. student bags
D. student homework
E. student dozier

97.To ensure children's safety, every room in the school should have a map posted identifying ________ way(s) out.

A. one
B. two
C. three
D. four
E.

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In the future, hot, dry subsurface rocks may become a source of geothermal energy once engineers solve the technical *problems of* circulating water through them for heating and conversion to steam. The development of geothermal resources has become *increasingly* attractive owing to the rising cost of petroleum and the *nonpolluting* character of geothermal energy production.

5. What is the main idea of the passage?

B

   A. geothermal energy is an old-fashioned form of heating homes and doesn't have much potential.
   B. geothermal energy is used all over the world as a pollution-free means of producing electricity.
   C. geothermal energy is primarily used in the eastern hemisphere for recreation facilities.
   D. geothermal energy is a recent development in the search for clean ways to produce electricity.

6. According to the passage, the practice of using hot springs to heat baths and homes:

C

   A. is now not in using anywhere.
   B. is no more economically viable.
   C. is still being used in certain countries of the world
   D. was life in Rome but gradually died out.

Complete the sentences by choosing the most appropriate option, from the given choices (A to D/E) below each.

7. In 2005 an earthquake struck northern Pakistan, __________ over fifty thousand people.

   A. killing
   B. it killed
   C. killed
   D. would kill

A

8. His listeners enjoyed his ______ wit but his victims often ______ at its satire.

   A. lugubrious ... suffered
   B. caustic ... laughed
   C. kindly ... smarted
   D. subtle ... smiled
   E. trenchant ... winced

E

Five options (A to E) follow a related pair of words given in capitals. Select the option that best expresses a relationship similar to that expressed in the original pair.

9. SUPERIMPOSE: ABOVE::

C

A. permeate: beside
B. focus: around
C. insert: between
D. splice: below
E. fuse: behind

10.COURAGE: RASHNESS::

A

A. generosity: prodigality
B. temperance: modesty
C. mettle: spirit
D. honor: humility
E. compassion: contempt

Each of the following questions consists of a sentence with all or part of the sentence underlined. Following the requirements of standard written English, select (A) if the original is best; otherwise choose the best phrase from the options.

3. The lost car keys having finally been found, the frustrated couple rushed out to catch the second half of the play.

   A. The lost car keys having finally been found
   B. The car's lost keys finally being found
   C. At finding the lost car keys, finally
   D. When they finally found the lost car keys
   E. When having finally found the lost car keys

D

4. During the power outage, machines malfunctioned throughout the factory, and it therefore prevented all production.

   A. factory, and it therefore prevented all production.
   B. factory and thereby preventing it from all production.
   C. factory, by which all production was thereby prevented.
   D. factory, and thereby this had all production prevented.
   E. factory, preventing all production.

E

Questions 5-6 are based on the following passage.

Geothermal energy is power obtained by using heat from the earth's interior. Most geothermal resources are in regions of active volcanoes. Among the most easily exploited sources of such energy are hot springs, geysers, and pools of boiling mud. Also a good source of geothermal energy is fumaroles, which are vents of volcanic gases and heated groundwater. The ancient Romans used hot springs to heat baths and homes, and similar uses are still found in some geothermal regions of the world, such as Iceland, Turkey, and Japan. The greatest potential for geothermal energy, however, lies in the generation of electricity. Geothermal energy was first used to produce electric power at Larderello, Italy, in 1904. By the late twentieth century, geothermal power plants were in operation in Italy, New Zealand, Japan, Iceland, Mexico, the United States, and elsewhere, and many others were under construction in other countries.
The most useful geothermal resources are hot water and steam trapped in subsurface formations or reservoirs and having temperatures ranging from 176° F to 662° F. Water and steam hotter than 356° F are the most easily exploited for electric power generation and are utilized by most existing geothermal power plants. In these plants, the hot water is converted to steam, which is then used to drive a turbine, which converts the energy to electricity by a generator.

ENGLISH

Change the voice of the following. (Active & passive voice)

1. After eating dinner at the hotel, the friends watched a horror movie.

   A. A horror movie was watched by the friends, after eating dinner at a hotel.
   B. After eating dinner at a hotel, a horror movie had been watched by the friends.
   C. After eating dinner at a hotel, a horror movie was being watched by the friends.
   D. After eating dinner at a hotel, a horror movie is watched by the friends.

A

Change the narration of the following. (Direct & indirect speech)

2. "Sit down at once!" the mother said to the naughty child. "If you don't, I shall not give you a chocolate."

   A. The mother orders the naughty child to sit down at once and adds that if he didn't, she would not give him a chocolate.
   B. The mother ordered the naughty child to sit down at once and added that if you didn't, I would not give you a chocolate.
   C. The mother ordered the naughty child to sit down at once and added that if he doesn't, she will not give him a chocolate.
   D. The mother ordered the naughty child to sit down at once and added that if he didn't, she would not give him a chocolate.
   E. The mother ordered the naughty child to sit down at once and added that if he not, she will not give him a chocolate.

D

36. Ability of a test to forecast the future performance of an individual refers to:

A. Content Validity
B. Construct Validity
C. Predictive Validity
D. Concurrent Validity

C

37. The item difficulty index = 60 indicates that:

A. Item was very easy
B. Item was easy
C. Item was very difficult
D. Item was moderately difficult

D

38. Which of the following is an indirect measurement method of SLOs?

A. Reflective journals
B. Capstone courses
C. Internship evaluations
D. Exit interviews

D

39. The proper action verb for the SLOs of affective learning is:

A. value
B. bend
C. explain
D. show

A

40. Which level of cognitive domain of Bloom's Taxonomy is described by the action verbs like distinguish, solve, detect and classify?

A. Knowledge
B. Comprehension
C. Application
D. Analysis

D

41. The log tab of working portfolio contains:

A. comments of a person who accesses it
B. tasks which may be done
C. learning objectives of the course
D. overview of all the elements of assessment

A

PEDAGOGY

11. Imagine while riding a car at hill station, you ate an apple and have nausea. Now you do not eat apples at hill area. This is an example of:

    A. Learning by insight
    B. Conditioned stimulus
    C. Unconditioned stimulus
    D. Experiential learning

C

12. Perceptual learning means that we:

    A. extract information out of sensory data of the environment
    B. extract information through artificial intelligence
    C. extract information through intuition
    D. extract information through history

A

13. Cooperative learning refers to a method of teaching where emphasis is on:

    A. Social work
    B. Team teaching
    C. Think-pair share
    D. Teacher-student relationship

C

14. Highest level of cognition in Bloom's taxonomy is:

    A. knowledge
    B. synthesis
    C. evaluation
    D. comprehension
    E. application

C

15. Students probably are NOT actively engaged in:

    A. demonstration method
    B. lecture method
    C. discovery method
    D. inquiry method
    E. problem-solving method

B

SUBJECT ONE

1.What does Sunshine symbolize in poem 'The Rain'?

A. Happiness
B. Brightness
C. Equality
D. Summer season
E. Hope

C

22.Which of the following can be the best strategy for future as given in 'Population Growth and Food Supplies'?

D

A. Maintaining the fertility of land
B. Careful use of energy resources
C. Population control
D. Management of land, water and energy plus population control

23.For Chinese, Plumb Blossom is considered as friend of:

A. Summer
B. Autumn
C. Winter
D. Spring
E. Storms

C

24.Simplify $\sqrt{\frac{x^2}{9}+\frac{x^2}{16}}$.

A. $\frac{25x^2}{144}$
B. $\frac{5x}{12}$
C. $\frac{5x^2}{12}$
D. $\frac{x}{7}$
E. $\frac{7x}{12}$

B

42. Which type of assessment uses the tools like open-ended questions, written compositions, oral presentations, projects, experiments etc?

A. Summative assessment
B. traditional assessment
C. Alternative assessment
D. Standardized assessment

C

43. Which of the foundation of curriculum addresses the questions like: "The purpose of the school, the important subjects to be taught, the kind of learning students must have and how they can acquire them etc"?

A. Psychological
B. Philosophical
C. Sociological
D. Historical

B

44. The curriculum which is designed intentionally to afford students the opportunity to learn empowering concepts, principles, and ideas peripheral or outside the subject being taught, is called as:

A. null curriculum
B. hidden curriculum
C. core curriculum
D. collateral curriculum

D

45. Which one of the following steps is NOT included in test planning?

A. Determining purpose of test
B. Developing table of test specifications
C. Formulation of course objectives
D. Preparing assessment tasks

C

46. The test item having an item difficulty level greater than 0.95 may be:

A. too difficult
B. too easy
C. difficult
D. easy
E. moderate

B

47. How many levels of needs are given in the pyramid of Maslow's Hierarchy of Needs?

A. Four
B. Five
C. Six
D. Seven
E. Eight

B

30. In the context of chemical reaction, Neutralization reactions are always:

A. Very slow
B. Exothermic
C. Endothermic
D. Unpredictable
E. Catalyst dependant

B

31. Highest level of revised cognitive domain of Blooms' Taxonomy of instructional Objectives is:

A. Remembering
B. Understanding
C. Applying
D. Analyzing
E. Creating

E

32. Values, beliefs and customs that are generally held by entire adult population are:

A. The universals
B. The specialties
C. The alternatives
D. The specificities

A

33. Horizontal relationship of curriculum experiences is known as:

A. Continuity
B. Constraints
C. Integration
D. Sequence

C

34. Which of the following is used to certify mastery of objectives?

A. Placement Assessment
B. Formative Assessment
C. Diagnostic Assessment
D. Summative Assessment

D

35. Tests that are designed to measure the level of performance under ample time conditions are known as:

A. Informal Tests
B. Standardized Tests
C. Speed Tests
D. Power Tests

D

16. During teaching learning process in the Pavlovian conditioning theory, the loss of previously conditioned tendency can be named as:

A. Stimulus
B. Response
C. Conditioned response
D. Extinction

D

17. Learning ______________ ideas is considered no knowledge.

A. Active
B. Super active
C. Inert
D. External

C

18. The students learning problems can be identified by:

A. Suggesting hard work
B. Sending them to library
C. Diagnostic instruction
D. Individual teaching

C

19. The order of stems involved is simulation method of teaching is:

A. Orientation, simulation, debriefing
B. Simulation, debriefing, introduction
C. Assign, participate, simulation
D. Introduction, explanation, debriefing

A

20. Hypertext and hypermedia allow students to learn in a nonlinear way. This kind of learning is called:

A. Inquiry
B. Discovery
C. Exploration
D. Discussion

B

25.95% of the residents of a certain town live in their own homes. 40% of these 95% lives in air conditioned homes. What percent of the residents of town live in air-conditioned homes?

A. 3.8%
B. 28%
C. 34%
D. 36%
E. 38%

E

26.If x = 2 and y = 3, then $\left(\frac{1}{x}+\frac{1}{y}\right)/(xy) =$

A. 1/9
B. 5/36
C. 36/5
D. 9
E. 5

E

27.A watch gains 7 minutes and 6 seconds every 6 days. If the rate of gain is constant, how much does the watch gain in one day?

A. 1 min 06 sec
B. 1 min 10 sec
C. 1 min 11 sec
D. 1 min 16 sec
E. 1 min 21 sec

C

28.A solution allows light to pass through it and is said to be ______________ solution.

A. Non homogenous
B. Immiscible
C. Homogenous
D. Particular
E. Miscible

C

29.In humans, physical mode of gaseous exchange, is offered by:

A. Breathing
B. Dehydration
C. Vasodilation
D. Vasoconstriction
E. Transpiration

A

48. Which one of the following statements is true?

A. Threat leads to stress
B. Stress leads to threat
C. Fear leads to threat
D. Spirit leads to fear

A

49. The social Skills needed by kids to utilize for understanding oneself and others are:

A. Interaction Skills
B. Foundation Skills
C. Affective Skills
D. Cognitive Skills

C

50. One of the Psychological causes of maladjustment for adolescent learners is:

A. No means of channelizing energy
B. Poor interaction with head of the institution
C. Suffocating classrooms
D. Authoritative parental attitude

C

36. If we half the radius of earth by keeping its mass constant then time period for spin motion of earth will become:

A. 256 times
B. 2 times
C. 1/2 times
D. 4 times

37. If we increase the temperature of conductor then drift velocity of electrons will be:

A. Increased
B. Decreased
C. Remains unchanged
D. Infinity

B

38. At which angle, the scalar product between two vectors will be minimum?

A. $\theta = 0$
B. $\theta = 90^\circ$
C. $\theta = 60^\circ$
D. $\theta = 45^\circ$

39. Fluoride in water is removed using precipitation method by:

A. Lime, salt and alum
B. Lime, alum and bleaching powder
C. Activated carbon and powder
D. Defluoron and carbon

B

40. Which of the following mixtures of gases does NOT obey Dalton's law of partial pressure?

A. O_2 and CO_2
B. NH_3 and HCL
C. N_2 and O_2
D. Cl_2 and SO_2

B

31. The first established name of species of a genus reflecting all its characteristics, designated by the first author is:

A. Paratype
B. Holotype
C. Syntype
D. Neotype

B

32. Which of the following sequence represents Eutrophication?

A. O_2 Depletion --- Nutrient Enrichment – Algal Growth – Death & Decay
B. Death & Decay – O_2 Depletion – Algal Growth – Nutrient Enrichment
C. Nutrient Enrichment – Algal Growth – Death & Decay – O_2 depletion
D. Algal Growth – Death & Decay – O_2 Depletion – Nutrient Enrichment

C

33. Process control block (PCB) is managed by the ________.

A. Accumulator
B. Program Counter
C. Kernel
D. Operating system

D

34. For which purpose address lines are used?

A. To designate the source or destination of the data in hard disk.
B. To designate the source or destination of the data on control bus.
C. To designate the source or destination of the data on address bus.
D. To designate the source or destination of the data on data bus.

D

35. Which of the following is true about Subroutine?

A. When a program is compiled or assembled, then subroutine has no link with code.
B. When a program is compiled or assembled, then subroutine is loaded 3 times.
C. When a program is compiled or assembled, then subroutine is loaded twice.
D. When a program is compiled or assembled, then subroutine is loaded only once.

D

SUBJECT ONE

56. ابن قاسم ، ابن عباس گرائمر کی رو سے ـــــ ہیں۔

A. تخلص
B. خطاب
C. عرف
D. کنیت

D

57. غزل کا پہلا مصرعہ جس کے دونوں مصرعے ہم قافیہ اور ہم ردیف ہوں ـــــ کہلاتا ہے۔

A. پہلا شعر
B. مطلع
C. مکھڑا
D. مقطع

B

58. سنگی کا مطلب ہے۔

A. پتھریلی زمین
B. ساتھی
C. پتھر اٹھانے والا
D. پتھر کاٹنے والا

B

59. Which of the following countries is the top producer of oil?

A. Saudi Arabia
B. Kuwait
C. Russia
D. Iran

A

60. The significant export of agricultural product by Pakistan is:

A. wheat
B. rice
C. vegetables
D. tobacco

B

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46. A group with at least two elements but with no proper non-trivial subgroup must be:

A. Finite and of odd order
B. Finite and of prime order
C. Finite with no restriction of order
D. Finite and of even order

D

47. If f(x)=log x (log x), then f ' (x) at x=e is:

A. e
B. 1/e
C. 0
D. 2/e

B

48. The value of k for which the function $f(x)=Kx^3-9x^2+9x+3$ is increasing on R, is:

A. K=3
B. K=0
C. K<3
D. K>3

D

49. If the cutting plane is parallel to the generator of the cone and intersects one of its nape then the curve of intersection is:

A. Parabola
B. Hyperbola
C. Ellipse
D. Point circle

A

50. If $a_{n-2}=3n-11$, then the n^{th} term of sequence is:

A. 3n+5
B. n-5
C. 3n-5
D. 3n-1

C

51. The probability of getting 2 heads in two successive tosses of a balanced coin is:

A. 1/2
B. 1/3
C. 1
D. 1/4

D

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SCIENCE

26.Which of the following cannot be a bronsted acid?

A. HCO^{-}_{3}
B. $HCOO^{-}$
C. $H_2PO^{-}_{3}$
D. H_3O^{+}

B

27.__________ occurs when a broken pair of chromosomes reattaches to the same chromosome but in a reversed direction.

A. translocation
B. deletion
C. inversion
D. duplication

C

28.In ________ the incisors, premolars and molar teeth are adapted for catching , killing , cutting flesh and reducing to the sizes suitable for swallowing.

A. omnivores
B. herbivores
C. predators
D. carnivores
E. symbionts

D

29.The "Phylum Chordate" got the name after ______

A. Pharyngeal slits
B. Tubular nerve
C. Notochord
D. Ventral blood vessel

C

30.In mammals, the Corpous__________ is present to connect the both cerebral hemispheres.

A. Mendipus
B. Leatus
C. Callosum
D. Sallosium

C

Complete the sentences by choosing the most appropriate option, from the given choices (A to D/E) below each.

13. Since many teachers today draw on material from a variety of sources, disciplines, and ideologies for their lessons, their approach could best be called ________.

A. electic
B. simplistic
C. invidious
D. impromptu
E. dogmatic

A

14. According to the World Health Organization, ______ any of the six most dangerous diseases to break out, it could be the cause for quarantine.

A. were
B. they were
C. there were
D. were they

A

15. Fortunately, he was ________ his accomplishments, absolutely unwilling to ________ them before his friends.

A. excited by ... parade
B. immodest about ... discuss
C. deprecatory about ... flaunt
D. uncertain of ... concede
E. unaware of ... conceal

C

22. Technique used for evaluation of learning progress during instruction is called:

- A. Diagnostic Evaluation
- B. Placement Evaluation
- C. Formative Evaluation
- D. Summative Evaluation
- E. Need based Evaluation

C

23. The lowest level of learning in affective domain is:

- A. Attending
- B. Valuing
- C. Characterization
- D. Organization
- E. Responding

A

24. Intuitive thinking:

- A. has been encouraged by traditional teaching
- B. is not a cognitive process
- C. is not included in affective domain
- D. is part of the process of discovery
- E. is less valuable

D

25. Education is a process of bringing desirable change into:

- A. Behavior
- B. Individual
- C. Class
- D. Knowledge

A

52.The normal line to the circle $x^2+y^2=25$ at (2,3) is:

A. $3x-2y+1=0$
B. $3x+4y+1=0$
C. $3x+2y+1=0$
D. $3x+2y=0$

C

53.The matrix $[1 \ 4 \ -7 \ 6]^t$ is a:

A. Singular matrix
B. Null matrix
C. Row matrix
D. Column matrix

D

54.The value of 4!0!/0!=

A. 12
B. 60
C. 24
D. Undefined

C

55.At time t=0 the inverse Laplace transform of the function $1/(s+1)(s^2-1)$ equals to:

A. 1
B. 1/2
C. 0
D. 2

C

PEDAGOGY

16. The principle of content selection that indicates the concern for maturity and learning sequence is:

A. Developing social understanding
B. Promoting educational aims
C. Maximum personal development
D. Promoting continuity of experience

D

17. Teacher performs some tasks and students observe the feature of teaching methods. This refers to:

A. Lecture
B. Project
C. Demonstration
D. Seminar

C

18. Out of field, teaching means teaching the subject which is NOT of teacher's:

A. Choice
B. Interest
C. Qualification
D. Assignment

C

19. In order to get final and accurate feedback about the overall impact, teacher should adopt:

A. Summative assessment
B. Diagnostic assessment
C. Formative assessment
D. Self-assessment

C

20. Which of the following is a feedback of teaching?

A. Frequent tests and examinations
B. Instruction based solely on prescribed text-books
C. Emphasis on scoring good marks in examinations
D. Flexible time-table and seating arrangement
E. Use of extra books

A

21. Authoritarian teaching focuses on:

A. Teaching material
B. Child—centered
C. Experiences
D. Teacher centered
E. Headmaster centered

D

MATH

41.Let f be the function defined by $f(x)=\sin(2x-3)$, then f is:

A. Injective
B. Periodic
C. Bijective
D. Surjective

B

42.Any tangent to the curve $y=3x^7+5x+3$

A. Is parallel to x-axis
B. Is parallel to y-axis
C. Makes an acute angle with x-axis
D. Makes an obtuse angle with y-axis

C

43.The value of $\int \frac{1}{x} dx$ is:

A. e^{-e}
B. Log $|1/x|$ +C
C. e^x
D. Log $|x|$ +C

D

44.If the center is (3,-1) and diameter is of length 10, then equation of the circle is

A. $(x+3)^2+(y-1)^2=100$
B. $(x-3)^2+(y+1)^2=25$
C. $(x-3)^2+(y-1)^2=100$
D. $(x+3)^2+(y+1)^2=25$

B

45.The vector a+3b is perpendicular to 7a-5b and a-5b is perpendicular to 7a+3b.the angle between a and b is:

A. $\pi/6$
B. $\pi/2$
C. $\pi/4$
D. $\pi/3$

B

QUANTI

41. $\frac{?}{7} = \frac{28}{?}$

A. Data insufficient
B. 196
C. 16
D. 19.6
E. 14

42. 0.9 + 0.3 x 0.3 =?

A. 0.9
B. 100
C. 0.09
D. 0.1
E. 1

43. On a thermometer, R is 7 degrees away from P, and P i
degrees. What is the reading at R?

A. 12° only
B. 7°
C. -2° only
D. -2° or 12°
E. None of the above

44. The sum of two consecutive integers is 39. What is th
the smaller of these integers?

A. 11
B. 12
C. 18
D. 19

45. 1/2 of 0.2 percent equals?

SUBJECT

56. Who was the first Governor General of Pakistan?

A. Liaqat Ali Khan
B. Muhammad Ali Johar
C. Allama Iqbal
D. Quaid-e-Azam

57. The United Nations was established on ____________.

A. October 24, 1911
B. October 24, 1939
C. October 24, 1947
D. October 24, 1945

58. Karakoram Highway was constructed through the__________ ranges.

A. Himalaya
B. Karakoram
C. Eastern mountains
D. Western mountains

59.__________ is the biggest dam of Pakistan.

A. Mangla dam
B. Tarbela dam
C. Warsak dam
D. Kalabagh dam

60. Gandhara civilization' flourished between the rivers:

A. Indus and Jhelum
B. Indus and Kabul
C. Jhelum and Beas
D. None of the above

61. The Line of Control is originally known as the:

A. White Line
B. Interim Line
C. Ceasefire Line
D. Line of fire

69. When partition plan was issued?

A. June 4 ,1947
B. June 5,1947
C. June 3 , 1947
D. June 6 , 1947

70. To whom Ayub handed over all powers?

A. Tikka Khan
B. Gul Hameed
C. General Agha Muhammad Yahya Khan
D. Zulfiqar Ali Bhutto

71. Who rejected the proposal of having a joint governor-general?

A. Nehru
B. Quaid-e-azam
C. Liaquat Ali
D. Gandhi

72. Syed Ahmed Shaheed was founder of ________ movement.

A. Jihad
B. Nijat
C. Jalal
D. Jazba
E. Toheed

73. Vasco da Gama was a ______ sailor.

A. British
B. Portuguese
C. Spanish
D. French

74. A ________ has space of territory which has internationally recognized boundaries.

A. Nation
B. State
C. Civil Unit
D. Religious Place

75. In extremely dry regions of the world, tunnel irrigation is:

A. Modern
B. Sustainable
C. Subsistence
D. Commercial

A. Lawn ...
B. Table Tennis
C. Squash
D. Hockey

63.Iran was formerly known as:

A. Burma
B. Persia
C. Mesopotamia
D. Formosa

64.Who first brought Kashmir issue in the Security Council of UNO?

A. India
B. Pakistan
C. Azad Kashmir
D. None of the above

65.Solar Eclipse takes place, when:

A. Moon comes between Earth and Jupiter
B. Moon comes between Earth and Mars
C. Moon comes between Earth and Sun
D. None of the above

66.The National Animal of Pakistan is ________.

A. Elephant
B. Tiger
C. Markhor
D. Horse

67.Pakistan won the Cricket World Cup 1992 under the captaincy of

A. Imran Khan
B. Waseem Akram
C. Rameez Raja
D. Saleem Yousaf

68.The 1962 Constitution was abrogated by:

A. Yahya Khan
B. Iskandar Mirza
C. Zia-ul-Haq
D. Ayub Khan

46.If length of a rectangle is 3 times its width with perimeter 80cm, what is its length?

A. 10 cm
B. 20 cm
C. 30cm
D. 40 cm

47.Among how many students, 175 bananas and 105 oranges can be equally divided?

A. 70
B. 140
C. 35
D. 105

48.4/3 of a number is 22, what is 8/3 of that number:

A. 11/9
B. 11/6
C. 2
D. 3
E. 44

49.(121 × 4 + 3)/ (1 ÷ 10) = ?

A. 3209
B. 4870
C. 2435 x 4
D. 974 x 5
E. 484 x 10+30

50.What is the least possible integer that is separately divisible by each of 2,4,6 and 10(with no remainder)

A. 12
B. 30
C. 60
D. 120
E. 480

51.What friction of a week is 24 hours?

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D. None of the above

61. The Line of Control is originally known as the:

A. White Line
B. Interim Line
C. Ceasefire Line
D. Line of fire

76.Zero population growth is considered when:

A. Birth rate is higher than death rate
B. Birth rate is lesser than death rate
C. Birth rate is equal to the death rate
D. Death rate is double than the birth rate

77.Culture is:

A. Dynamic
B. Innate
C. Stagnant
D. Closed

78.______ mainly supplies proteins to the human body.

A. Cereal
B. Pulses
C. Oil seeds
D. Animal fat

79.Who were the first to explore geography as both art and s

A. Roman
B. European
C. Muslims
D. Greeks

.80 کسی مرے ہوئے کی یاد میں لکھی گئی نظم ____ کہلاتی ہے۔

52. Simplify the complex fraction $\frac{4/9}{2/5}$?

A. $1\frac{1}{9}$
B. 2/5
C. 1/2
D. 1

53. A hockey ground is 90m long and 50m wide. The ratio between its length and width is.

A. 5 : 2
B. 7 : 4
C. 9 : 5
D. 4 : 2

54. 10 men can do a work in 4 days. In how many days 5 men will do the same work?

A. 8 days
B. 7 days
C. 11 days
D. 4 days
E. 15 days

55. A certain number was doubled and the result then multiplied by 3. If the product was 138, the number is:

A. 12
B. 23
C. 15
D. 25
E. 20

46. If length of a rectangle is 3 times its width with perimeter 80cm. what is its length?

A. 10 cm
B. 20 cm
C. 30cm
D. 40 cm

length = 3x
Width = x
P = 80cm

47. Among how many students, 175 bananas and 105 oranges can be equally divided?

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B. 140
C. 35
D. 105

(x + 3x) 2 = 80

48. 4/3 of a number is 22, what is 8/3 of that number:

A. 11/9
B. 11/6
C. 2
D. 3
E. 44

4x × 2 = 80

49. (121 × 4 + 3)/ (1 ÷ 10) = ?

A. 3209
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C. 2435 x 4
D. 974 x 5
E. 484 x 10+30

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B. Iskandar Mirza
C. Zia-ul-Haq
D. Ayub Khan

37. Complete the following series:

$\frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{1}{2}, 1,$ ______

A. 4
B. 2
C. 1
D. 8

38. What number comes next in the following series?

29, 23, 18, 14, 11 ?

A. 13
B. 6
C. 19
D. 9
E. 10

39. Which one is different from the rest?

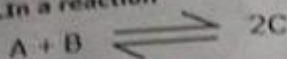
A. Spaceship
B. Ship
C. Aircraft
D. Cycle

40. Light is to Eye as Sound is to ______.

A. Foot
B. Ear
C. Arm
D. Leg

CHEMISTRY

41. In a reaction

$$A + B \rightleftharpoons 2C$$

When equilibrium was attained, the concentration was

$[A] = [B] = 4 \text{ moles/dm}^3$

$[C] = 6 \text{ moles/dm}^3$

The equilibrium constant K_c of this reaction is:

A. 1.25
B. 2.25
C. 3.25
D. 2.75
E. 3.75

42. If the ratio of initial concentration of the reagents is greater than the K_c then

A. The reaction will shift towards the reverse direction
B. More quantity of products is obtained
C. The ratio increases to the value of K_c
D. Equilibrium has been attained
E. There is no shifting of reaction

43. Aqueous solution of Na_2CO_3 is:

A. Acidic
B. Alkaline
C. Both Acidic and Alkaline
D. Neutral
E. None of the above

44. Oxidation number of Nitrogen in HNO_3 is:

A. +4
B. +2
C. +6
D. +5
E. +7

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26.A circuit in which there is a current of 15 amperes is changed so that the current falls to zero in 0.5 seconds. If an average e.m.f of 300 volts is induced. What is the self inductance of the circuit?

A. 4 henrys
B. 6 henrys
C. 8 henrys
D. 10 henrys
E. 2 henrys

27.Potentiometer is a device used for measuring the ______ between two points of a circuit.

A. Flux density
B. Resistance
C. Current
D. Voltage
E. None of the above

28.A galvanometer has a resistance of 50 ohms and gives full scale deflection when a current of 0.005 amperes flows in it. Find the value of the shunt resistance to convert it into ammeter of range 20 amperes.

A. 0.316 ohms
B. 0.0125 ohms
C. 0.007 ohms
D. 2.9 ohms
E. 1.5 ohms

29.A battery of 10 volts is connected to two resistors of $3\,\Omega$ and $2\,\Omega$ joined together in series. The current through the circuit will be:

A. 1.2 Amperes
B. 1.0 Ampere
C. 2.0 Amperes
D. 3.0 Amperes
E. 5.0 Amperes

30.Magnetic field is a region in which a force is experienced on a moving charge or a magnet, this force depends upon:

I. the magnetic field of induction
II. the speed of the moving charge
III. the magnitude of charge

A. I only
B. II and III only
C. I and III only
D. I and II only
E. I, II and III

94. The disease in which patients passed urine that rapidly turned black on exposure to air is called:
   A. Phenyl Ketonuria
   B. Alkaptonuria
   C. Sickle cell anaemia
   D. Heamophilia
   E. Anuria

95. Diplotene is the sub-stage of:
   A. Anaphase I
   B. Telophase I
   C. Prophase I
   D. Metaphase I
   E. All of the above

96. The producers of pond ecosystem include:
   A. Bacteria
   B. Zooplankton
   C. Fungi
   D. Phytoplankton
   E. All of the above

97. Which of the following is included in Bryophytes?
   A. Mosses
   B. Club mosses
   C. Ferns
   D. Seed plants
   E. Horse tails

98. Species of Phylum platyhelminthes are:
   A. Round worms
   B. Flat worms
   C. Hook worms
   D. Thread worms
   E. Pin worms

99. A characteristic feature of Echinoderm is:
   A. Canal system
   B. Water vascular system
   C. Tracheal system
   D. Blood vascular system
   E. None of the above

100. The light dependent reaction of photosynthesis occurs in:
   A. Stroma of chloroplast
   B. Guard cells of stomata
   C. Thylakoid membrane of chloroplast
   D. Cytoplasm of leaf cell
   E. None of the above

61. $\bar{O}R$ is the nucleophile of:

A. Alcohols
B. Esters
C. Cyanides
D. Ethers
E. aldehydes

62. Primary Alcohol is produced by reaction of Grignard's reagent with ________ followed by hydrolysis in acidic medium.

A. Carbon dioxide
B. Formaldehyde
C. Acetaldehyde
D. Ketone
E. Methyl chloride

63. Which of the following is TRUE regarding Methyl Alcohol?

A. It is a colorless, volatile, thin liquid with specific gravity 0.796 at 15°C.
B. It is used for low temperature thermometer and as fuel substitute.
C. It is extensively used in the formation of different beverages.
D. It is used as a base for perfumes.
E. It is used as an antiseptic and disinfectant.

64. An ester is prepared by the reaction of:

A. Two alcohols
B. Carboxylic acid and alcohol
C. Ketone and alcohol
D. Aldehyde and alcohol
E. All of the above

65. Which of the following acids is used for Etching of glass?

A. Hydrochloric acid
B. Nitric acid
C. Hydrofluoric acid
D. Sulphuric acid
E. Acetic acid

Questions 7-8 are based on the following passage.

The steam engine improved in efficiency during the nineteenth century and in 1848 Stringfellow, an Englishman, achieved a remarkable technical and scientific triumph by getting a model aeroplane, powered by a small steam engine, to fly. However, it never seemed likely that a steam engine fitted to an aeroplane would ever get its own weight and that of a man off the ground. Unlike the airship and the balloon, which are lighter than air, the aeroplane is a heavier-than-air machine which must move rapidly if it is to fly at all. Consequently it must have an engine that is very powerful in proportion to its weight.

7. It can be inferred from the passage that airship and balloon are

   A. heavier than air
   B. heavier than aeroplane
   C. lighter than the aeroplane
   D. of the same weight as the air
   E. of the same weight as the aeroplane

8. The word "its" in the passage refers to the

   A. balloon
   B. steam engine
   C. man
   D. airship
   E. none of the above

Complete the sentences by choosing the most appropriate word, from the given lettered choices (A to E) below each.

9. It should be ______ Karachi than it is here.

   A. [illegible]
   B. [illegible]
   C. warmest in
   D. warmer in
   E. warmed in

10. The municipality prohibits parking ________ the main road.

   A. at
   B. on
   C. off
   D. in
   E. over

77.A bacteriophage consists solely of:

A. DNA and protein
B. RNA and protein
C. RNA only
D. Protein only
E. DNA only

78.Which of the following factors affect enzyme activity?

A. Temperature
B. pH
C. Concentration of substrate
D. Radiation
E. All of the above

79.Lysosomes function in:

A. Protein synthesis
B. Processing and packaging
C. Intracellular digestion
D. Lipid synthesis
E. Carbohydrate synthesis

80.The viruses are:

A. Cellular
B. Prokaryotes
C. Non-cellular
D. Eukaryotes
E. Visible with naked eye

81.Bacterial pilli help in:

A. Locomotion
B. Conjugation
C. Phagocytosis
D. Pinocytosis
E. Exocytosis

82.Trypanosoma belongs to class:

A. Sarcodina
B. Flagellata
C. Ciliata
D. Suctoria
E. Sporozoa

30. The smaller the distance of the object from the eye, the visual angle will be:
- A. smaller
- B. greater
- C. constant
- D. negligible
- E. none of the above

31. A system absorbs 2000 Joules of heat and delivers 1200 Joules of work while losing 200 Joules of heat by conduction to the atmosphere. The change in the internal energy of the system is:
- A. 300 J
- B. 600 J
- C. 1200 J
- D. 900 J
- E. 1500 J

32. The efficiency of the Carnot's Engine working between 150°C and 50°C is:
- A. 22.3 %
- B. 20.0 %
- C. 23.6 %
- D. 30.6 %
- E. 33.6 %

33. A nucleus consists of 11 protons and 12 neutrons. The conventional symbol of this nucleus is:
- A. $_{11}Na^{12}$
- B. $_{11}Ca^{23}$
- C. $_{11}Na^{23}$
- D. $_{11}Ca^{12}$
- E. $_{12}Na^{12}$

34. An electron is situated midway between two parallel plates 0.5 cm apart. One of the plates is maintained at a potential of 60 volts above the other. The force on the electron is ($e = -1.6 \times 10^{-19}$)
- A. 1.92×10^{-15} N
- B. 3.00×10^{-15} N
- C. 1.92×10^{-30} N
- D. 3.00×10^{-30} N
- E. 5.00×10^{-30} N

BIOLOGY

71. A psychological condition usually seen in girls and young women, with loss of appetite is:

A. Obesity
B. Malnutrition
C. Anorexia Nervosa
D. Dyspepsia
E. Peptic ulcer

72. Haemoglobin carries more oxygen than plasma by:

A. 50 times
B. 20 times
C. 70 times
D. 100 times
E. 200 times

73. The massive accumulation of blood within a tissue is called as:

A. Haemorrhage
B. Haematoma
C. Hepatoma
D. Haemacel
E. Haematemesis

74. Malpighian tubules are involved in excretion in:

A. Cockroach
B. Earthworm
C. Human
D. Planaria
E. Hydra

75. Growth movement caused in response to gravitational stimulus is called:

A. Nutation
B. Geotropism
C. Nastic movement
D. Tropic movement
E. Turgor movement

76. Bones of the skull are joined by:

A. fixed joints
B. sliding joints
C. pivot joints
D. hinge joints
E. gliding joints

15. If the resultant intensity of the interfering waves is zero or less than the intensity of the individual waves, then this type of interference is:

A. Destructive Interference
B. Constructive Interference
C. Stable Interference
D. Both A and B
E. None of the above

16. The dimensions of acceleration are:

A. LT^{-1}
B. LT^{-2}
C. L^3
D. L^2
E. LT^2

17. All of the following is/are scalar quantity/ies, except:

A. temperature
B. density
C. volume
D. force
E. speed

18. $\vec{R_1}$ and $\vec{R_2}$ are two position vectors making angles θ_1 and θ_2 with positive X-axis respectively. Their vector product is: $[R_1 = 4\text{ cm}, R_2 = 3\text{ cm}, \theta_1 = 30°, \theta_2 = 90°]$

A. $12\sqrt{3}$
B. $6\sqrt{3}$
C. $6\sqrt{12}$
D. $12\sqrt{6}$
E. $3\sqrt{6}$

19. Projectile must be launched at which angle with the horizontal to attain maximum range?

A. 90°
B. 45°
C. 75°
D. 105°
E. 145°

Questions 94-96

Hemophilia is a disorder in which blood fails to clot. Saad, a male hemophiliac, marries Sara, a normal woman and together they have four children, two boys (Ahmed and Ali) and two girls (Alia and Ayesha). None of the children display the symptoms of hemophilia. Ahmed, Ali, Alia, and Ayesha all marry normal individuals and have children. None of Ahmed's or Ali's children, male or female, display symptoms of hemophilia, but the sons of Alia and Ayesha display symptoms of hemophilia while the daughters of Alia and Ayesha do not.

94. Which of the following best explains the reason that Ahmed, Ali, Alia, and Ayesha do not display symptoms of hemophilia, even though their father, Saad, is a hemophiliac?

A. hemophilia is an X-linked disorder, and Saad can only pass on his Y chromosome
B. hemophilia is an X-linked disorder, and even though Alia and Ayesha received a hemophiliac X chromosome from Saad, Sara gave them a normal X chromosome
C. hemophilia is a Y-linked disorder, and therefore cannot be displayed in females
D. hemophilia is a Y-linked disorder, and Ahmed and Ali must have received an X chromosome from Saad
E. hemophilia is an X-linked disorder, and even though Ahmed and Ali received a hemophiliac X chromosome from Saad, Sara gave them a normal X chromosome

95. If one of Ali's daughters marries a normal man, what is the probability that one of their children will display symptoms of hemophilia?

A. 0%
B. 25%
C. 50%
D. 75%
E. 100%

96. Which of the following individuals are heterozygous for hemophilia?

A. Saad, Ahmed, and Ali
B. Ahmed, Ali, Alia, and Ayesha
C. Saad and Sara
D. Alia and Ayesha
E. Ahmed and Ali

97. Which of the following would be most likely to occur in an ecosystem?

A. As the number of prey decreases, the number of predators increases.
B. As the number of predators increases, the number of prey increases.
C. As the number of prey decreases, the number of predators decreases.
D. As the number of prey increases, the number of predators decreases.
E. As the number of predators decreases, the number of prey decreases.

98. Which biome contains maples, Oaks, and bears?

A. Tundra
B. Tropical rain forest
C. Temperate grasslands
D. Taiga
E. Deciduous forest

99. The major sign and symptom of Microcephaly is

A. Sexual defects
B. Excessive number of [illegible]
C. Mental retardation
D. Small skull in proportion to the normal body size
E. Split in upper lip and gap in the roof of mouth

100. The reaction involved in chemotropic nutrition is

A. $6CO_2 + 12H_2O \xrightarrow[\text{chlorophyll}]{\text{light}} C_6H_{12}O_6 + 6CO_2 + 6H_2O$

B. $2H_2S + CO_2 \xrightarrow{\text{light}} (CH_2O)_n + H_2O + 2S$

C. $NH_4^+ + 3O_2 \rightarrow 2NO_2^- + 2H_2O + 4H^+ + \text{energy}$

D. $CH_3.CO.COOH \xrightarrow{\text{Enzyme}} CH_3.CHO + CO_2$

E. $5GA3P + 3ATP \rightarrow 3RuBP + 3ADP + 2Pi$

50. "In an atom no two electrons can have the same set of four Quantum numbers" is stated by:

A. Heisenberg's Uncertainty Principle
B. Aufbau Principle
C. Pauli's Exclusion Principle
D. Hund's Rule
E. (n+l) Rule

51. Which of the following molecules have zero Dipole moments?

A. CCl_4
B. CO_2
C. Cl_2
D. C_6H_6
E. All of the above

52. Bond energy:

I. Is energy required to break a bond between two atoms in a diatomic molecule
II. Is taken as the energy released in forming a bond from free atoms
III. Is the measure of the strength of bond

A. I only
B. I and II only
C. I and III only
D. III only
E. I, II and III

53. If the matter in a given system at a given condition is divided into two equal parts, then the value of the extensive properties will become:

A. Double of the original value
B. Half of the original value
C. Remain same as the original value
D. One- fourth of the original value
E. One-eighth of the original value

54. The measurement of heat absorbed or given out in a chemical reaction is referred to as:

A. Enthalpy
B. Endothermic reaction
C. Exothermic reaction
D. Thermochemistry
E. Heat of formation

40. The acceleration produced by virtue of the changing direction of the velocity of an object moving in a circular path is called:

A. Angular acceleration
B. Centripetal acceleration
C. Centrifugal acceleration
D. Uniform acceleration
E. None of the above

21. The electric force between two static point charges varies directly to the product of charges and inversely with the square of the distance between them is:

A. Ohm's Law
B. Lenz's Law
C. Coulomb's Law
D. Ampere's Law
E. Faraday's Law

22. The electric flux is maximum when the angle" θ "between electric intensity and vector area is :

A. $\theta = 90°$
B. $\theta \leq 90°$
C. $\theta = 0°$
D. $\theta \geq 90°$
E. $\theta = 180°$

23. According to Ohm's Law the relationship that exists between current and potential difference is:

A. Parabolic
B. Hyperbolic
C. Linear
D. Symbolic
E. None of the above

24. At a constant pressure; the volume "V" of a given mass of a gas is directly proportional to its absolute temperature "T", is stated by:

A. Boyle's Law
B. Charle's Law
C. Dalton's Law
D. General Gas Law
E. None of the above

25. Which of the following statement/s regarding Second Law of Thermodynamics is/are correct?

A. It is impossible to derive a continuous supply of work by cooling a body to a temperature lower than that of the coldest of its surrounding
B. It is possible to derive a continuous supply of work by cooling a body to a temperature lower than that of the coldest of its surrounding
C. It is impossible to derive a continuous supply of work by heating a body to a temperature more than that of the hottest of its surrounding
D. Both B and C
E. None of the above

55. A certain chemical reaction follows the following rate law:
Rate $= K [A][B]^2$
The order of reaction is:

A. 1
B. 2
C. 3
D. 4
E. 5

56. Only two elements are present in:

A. Period – 1
B. Period – 2
C. Period - 3
D. Period – 4
E. Period – 5

57. Hydrides which are prepared by passing hydrogen gas over hot alkali metals or alkaline earth metals are called:

A. Covalent hydrides
B. Ionic hydrides
C. Complex hydrides
D. Metallic hydrides
E. Polymeric hydrides

58. The chemical name of the baking powder is:

A. Sodium carbonate
B. Sodium bicarbonate
C. Sodium hydrogen carbonate
D. Sodium hydroxide
E. Sodium chloride

59. When Gypsum is heated to about 100°C, it loses some water of crystallization and becomes:

A. Epsom salt
B. Kieserite
C. Plaster of Paris
D. Bleaching powder
E. Caustic soda

60. The chemical property(ies) of Sulphuric Acid is/are:

A. Acidic properties
B. Oxidizing properties
C. Dehydrating properties
D. Sulphonating properties
E. All of the above

39. A coil of 600 turns is threaded by a flux of 8×10^{-5} webers, if this flux is reduced to 3×10^{-5} webers in 0.015 seconds. The average induced e.m.f. is:

A. -2.0 volts
B. -3.0 volts
C. +2.0 volts
D. +2.5 volts
E. +3.0 volts

40. Which of the following work(s) on the principle of Wheat Stone Bridge?

A. Slide-Wire Bridge
B. Meter-Bridge
C. Post Office Box
D. All of the above
E. None of the above

45. The unit of rate of reaction is:

A. Mole (dm^3) sec
B. Mole $(dm^3)^{-1}$ Sec^{-1}
C. Mole $(dm^3)^{-2}$ Sec^{-1}
D. Mole $(dm^3)^{-2}$ Sec^{-2}
E. Mole $(dm^3)^{-1}$ Sec^{-2}

46. By heating 25g of limestone ($CaCO_3$), the weight of carbon dioxide produced is:

A. 14g
B. 71g
C. 11g
D. 2g
E. 10g

(27)

47. A Child's balloon has a volume 3.80 dm^3, when temperature is 35°C. If the balloon is put in refrigerator and cooled to 5°C, the approximate volume of the balloon is (assume pressure inside the balloon is equal to atmospheric pressure):

A. 3.00 dm^3
B. 3.43 dm^3
C. 3.08 dm^3
D. 3.25 dm^3
E. 0.54 dm^3

48. Which of the following statements is true of Amorphous solids?

A. They possess symmetry
B. They are isotropic
C. They are anisotropic
D. They cleave along particular direction
E. They have definite shape

49. Which of the following statements is correct?

A. Faraday's experiment indicates the existence of electrons
B. Crooke's tube experiment shows the presence of electrons and protons in the atoms.
C. Radioactivity confirms the presence of electrons and protons
D. Chadwick experiment shows the presence of neutrons
E. All of the above

31. Three dimensional images of objects obtained by using lasers is a process called:

A. Plating
B. Photography
C. Welding
D. Holography,
E. Doping

32. Which of the following statements is correct?

A. The neutron has a mass slightly greater than the proton and it carries no charge
B. The proton has a mass slightly greater than the neutron and it carries no charge
C. The neutron has a mass slightly less than the proton and it carries a charge
D. The neutron has a mass slightly less than the proton and it carries no charge
E. None of the above

33. The audible frequency range for a normal human ear is:

A. 20 Hz to 20,000 Hz
B. 20 Hz to 200,000 Hz
C. 200 Hz to 20,000 Hz
D. 20 Hz to 80 Hz
E. 20 Hz to 200 Hz

34. The length of a measuring rod is 1 m when it is at rest. What will be its length if it is moving with a velocity one third of the speed of light?

A. $\frac{2\sqrt{2}}{3}$ m
B. $\frac{2\sqrt{2}}{9}$ m
C. $\frac{4\sqrt{2}}{3}$ m
D. $\frac{4\sqrt{2}}{9}$ m
E. $\frac{3\sqrt{2}}{9}$ m

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25. A car starts from rest and moves with a constant acceleration. During the 5th second of its motion, it covers a distance of 36 meters. What is the acceleration of the car?

A. $12.5\ m/s^2$
B. $8\ m/s^2$
C. $15\ m/s^2$
D. $16\ m/s^2$
E. $14\ m/s^2$

26. Law of Conservation of Momentum states that:

I. if there is no external force applied to a system, then the total momentum of that system remains constant
II. if there is an external force applied to a system, then the total momentum of that system remains constant
III. if there is no external force applied to a system, then the total momentum of that system keeps changing

A. I only
B. I and II only
C. I and III only
D. III only
E. I, II and III

27. A player throws a ball at an initial velocity of 36 m/second. The maximum distance the ball can reach (assume ball is caught at the same height at which it was released) is:

A. 146 m
B. 130 m
C. 132 m
D. 129 m
E. 145 m

28. The torque will be greater if:

A. both magnitude of force and moment arm are smaller
B. both magnitude of force and moment arm are greater
C. only magnitude of force is greater
D. only moment arm is greater
E. none of the above

29. Example(s) of spin motion is/are:

A. The daily rotation of the earth about its own axis
B. Jumping of a paratrooper from an helicopter
C. Flow of a viscous liquid
D. Rotation of fly wheel about its axle
E. Both A and D

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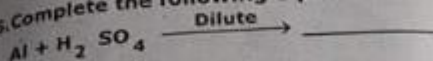
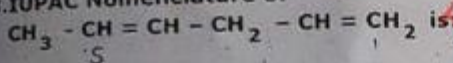
66. Complete the following equation:

$Al + H_2SO_4 \xrightarrow{\text{Dilute}}$ ________

A. $Al_2(SO_4)_3 + H_2O$
B. $Al_2(SO_4)_3 + H_2$
C. $Al_2(SO_4)_3 + H_2O + SO_2$
D. $Al_2(SO_4)_3 + H_2 + SO_2$
E. None of the above

67. The electronic configuration of Iron is:

A. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 3d^5, 4s^2$
B. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 3d^5, 4s^1$
C. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 3d^6, 4s^2$
D. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 3d^3, 4s^2$
E. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 3d^2, 4s^2$

68. IUPAC Nomenclature of

$CH_3 - CH = CH - CH_2 - CH = CH_2$ is:

A. 2 – Pentene
B. 1, 4 – hexadiene
C. 3 – Methyl butane
D. 1, 3, 5 – heptatriene
E. 1, 3,6 hexatriene

69. Benzene can be prepared ________.

A. From Petroleum
B. From Coal
C. From Acetylene
D. From Phenol
E. All of the above

70. The electrophilic reactions of Benzene are:

A. Halogenation
B. Nitration
C. Sulphonation
D. Alkylation and acylation
E. All of the above

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ENGLISH

Identify the word or phrase that needs to be changed for the sentence to be correct:

1. Many <u>of</u> (A) the <u>new</u> (B) plastics <u>is made</u> (C) from <u>oil</u> (D). <u>No error</u> (E)

2. <u>Do not</u> (A) let your radio <u>blare</u> (B) so as <u>to disturbs</u> (C) your <u>neighbors</u> (D). <u>No error</u> (E)

Choose the lettered word or phrase that is most nearly opposite in meaning to the word in capital letters.

3. SHALLOW:

   A. deep
   B. dear
   C. thin
   D. clean
   E. pure

4. FAULT:

   A. error
   B. mistake
   C. blunder
   D. accurate
   E. slip

Choose the word most similar in meaning to the capitalized ones.

5. ENGULF:

   A. ingest
   B. show
   C. wipe
   D. clarify
   E. waste

6. STUMBLE:

   A. walk
   B. fall
   C. study
   D. acquire
   E. compose

CHEMISTRY

41. Catenation is a process in which carbon shows the properties of
    - A. Making single bond
    - B. Hybridization
    - C. Making long chains or rings of carbon atoms
    - D. Isomerism
    - E. Breaking of bonds

42. The maximum number of electrons that an orbital can accommodate is/are
    - A. 0
    - B. 1
    - C. 2
    - D. 3
    - E. 4

43. Which of the following is not a nucleophile?
    - A. HO^-
    - B. NH_3
    - C. BF_3
    - D. CN^-
    - E. NH_2^-

44. Chlorine is manufactured commercially by the electrolysis of aqueous sodium chloride (brine).
    Which other products are made in this process?
    - A. Hydrochloric acid and hydrogen
    - B. Hydrogen and sodium
    - C. Hydrogen and sodium hydroxide
    - D. Sodium and sodium hydroxide
    - E. Hydrochloric acid and sodium

45. Sodium reacts with water more vigorously than lithium because it
    - A. Has higher atomic weight
    - B. Is more electronegative
    - C. Is more electropositive
    - D. Is a metal
    - E. Has high melting point

46. The crystals formed as a result of Vander waal's interactions are
    - A. Molecular crystals
    - B. Covalent crystals
    - C. Metallic crystals
    - D. Ionic crystals
    - E. None of the above

47. Which of the following statements about H_2S is false?
    - A. It is a covalent compound
    - B. It is a gas with bad smell
    - C. It is a strong reducing agent than H_2O
    - D. It's molecule is non-linear
    - E. It is a weak base in water

48. The rain drop acquires spherical shape and ink spreads over blotting paper due to
    - A. Surface tension
    - B. Adhesive forces
    - C. Viscosity
    - D. Polarity
    - E. Latent heat of vaporization

49. 950 torr corresponds to
    - A. 3.5 atm
    - B. 1 atm
    - C. 3 atm
    - D. 1.25 atm
    - E. 2.25 atm

50. The enthalpy change accompanying the gain of an electron by a neutral gaseous atom to form negative ion is called
    - A. Ionization potential
    - B. Electronegativity
    - C. Electron affinity
    - D. Lattice energy
    - E. Potential energy

51. Sigma bond is formed by
    - A. Transferring the electrons
    - B. Head on overlapping of atomic orbitals
    - C. Mutual but unequal sharing of electrons
    - D. parallel overlapping of atomic orbitals
    - E. All of the above

52. The heat of a reaction can be calculated by using
    - A. Joule's law
    - B. Ohm's law
    - C. Hess's law
    - D. Faraday's law
    - E. Boyle's law

35. The principle of a capacitor is based on which of the following facts?

A. Potential of a conductor is greatly increased with a decrease in the charge in it
B. Potential of a conductor is greatly reduced with an increase in the charge in it
C. Potential of a conductor is greatly increased without affecting the charge in it
D. Potential of a conductor is greatly reduced without affecting the charge in it
E. Potential of a conductor is greatly increased with an increase in the charge in it

36. A current of 4.4 amperes is flowing in a wire. How many electrons pass a given point in the wire in one second, if the charge on an electron is 1.6×10^{-19} coulomb?

A. 1.5×10^{19} electrons
B. 2.75×10^{19} electrons
C. 3.25×10^{19} electrons
D. 2.75×10^{15} electrons
E. 3.25×10^{17} electrons

37. An electric kettle of 1500 watts rating boils a certain quantity of water in 5 minutes, the heat which is generated for boiling this water is:

A. 45×10^4 Joules
B. 48×10^4 Joules
C. 56×10^4 Joules
D. 36×10^4 Joules
E. 59×10^4 Joules

38. A force which is experienced in a magnetic field depends on:

A. magnitude of charge q
B. speed of the moving charge V
C. magnetic field of induction B
D. all of the above
E. none of the above

Identify the word or phrase that needs to be changed for the sentence to be correct:

5. Children depend (A) on their (B) parents for (C) food and (D) clothing. No error (E)

6. How will (A) they got across (B) the river if (C) the ferry is not running (D)? No error (E)

Choose the lettered word or phrase that is most nearly opposite in meaning to the word in capital letters.

7. ASSERTION:

A. statement
B. denial
C. claim
D. unrest
E. tiring

8. OBSTINATE:

A. persistent
B. constant
C. daring
D. courageous
E. flexible

Choose the word most similar in meaning to the capitalized ones.

9. WRECKED:

A. defined
B. developed
C. registered
D. ruined
E. counted

10. UNAMBIGUOUS:

A. stagnant
B. hidden
C. clear
D. muddy
E. grubby

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16. The mathematical statement of Hooke's Law is:

A. $F_s = ma$
B. $F_s = -kx$
C. $F_s = mgh$
D. $F_s = ka$
E. None of the above

17. Light can be polarized by all of the following methods, except:

A. Selective absorption
B. Double refraction
C. Scattering of light
D. Diffraction
E. Reflection

18. A chess piece 4 cm high is located 10 cm from the converging lens whose focal length is 20 cm. The image will be formed at a distance of:

A. -10 cm
B. +10 cm
C. +20 cm
D. -20 cm
E. -15 cm

19. When a force acts opposite to the direction of displacement, the work done is:

A. zero
B. negative
C. positive
D. both B and C
E. none of the above

20. A neutron of mass 1.7×10^{-27} kg travels a distance of 12 m in a time interval of 3.6×10^{-4} sec. Assuming its speed was constant, its kinetic energy is:

A. 9.256×10^{-19} Joule
B. 8.005×10^{-19} Joule
C. 9.001×10^{-29} Joule
D. 8.256×10^{-4} Joule
E. 7.256×10^{-29} Joule

PHYSICS

11. Artificial gravity can be supplied by which of the following ways so that normal force of gravity can be generated for the astronaut:

A. Rotating the space craft
B. Back and forth motion of space craft
C. Up and down movement of space craft
D. Keeping the space craft stationary
E. All of the above

12. A 70 kg man runs up a hill through a height of 3 meters in 2 seconds. His average power output is($g = 10\ m/sec^2$):

A. 1050 watts
B. 970 watts
C. 1500 watts
D. 1300 watts
E. 500 watts

13. The sum of Kinetic Energy and the Potential Energy is always constant provided:

A. There is some force of friction involved during the motion of the body
B. There is no force of friction involved during the motion of the body
C. There is greater force of friction involved during the motion of the body
D. Both A and C
E. None of the above

14. A block with a mass of 0.1 kg is attached to a spring and placed on a horizontal frictionless table. The spring is stretched 20 cm when a force of 5 N is applied. The spring constant is:

A. 50 Nm^{-1}
B. 25 Nm^{-1}
C. 75 Nm^{-1}
D. 100 Nm^{-1}
E. 125 Nm^{-1}

BIOLOGY

71. The muscles attached to the bones are

A. Voluntary and smooth
B. Involuntary and smooth
C. Voluntary and striated
D. Involuntary and striated
E. Smooth and striated

72. The law of Dominance is illustrated in the garden pea by

A. Homozygous tall x heterozygous tall
B. Heterozygous tall x heterozygous tall
C. Homozygous tall x Homozygous tall
D. Pure short x pure short
E. Homozygous tall x pure short

73. In the Hardy-Weinberg principle, $p^2+2pq+q^2=1$, q^2 represents the frequency of the

A. Homozygous dominant
B. Heterozygous dominant
C. Heterozygous recessive
D. Homozygous recessive
E. Blended genes

74. Fungi do not contain

A. Cell wall
B. Hyphae
C. Chlorophyll
D. Mycelium
E. Spores

75. Identify the incorrect statement about Charles Darwin's Theory

A. The individuals of species have variations among them
B. There is always a tendency of over reproduction in a species
C. Vast gradual changes result in the origin of a new species
D. Favourable variations survive and unfavorable will be exterminated
E. Intra specific competition occurs between different species and inter- specific competition occurs among the individuals in a species.

76. Identify the incorrect statement from the following

A. Apical growth increases the length of stems and roots
B. Xylem is situated on the outer side of the cambium ring and the phloem on the inner side
C. Secondary growth increases the diameter of stems and root
D. The cells in elongation phase don't divide
E. The cells in formative regions are closely packed together

77. According to ____________, protein layers are not confined to the surface of the membrane but embedded in lipid layers.

A. Lock and Key Model
B. Induce Fit Model
C. Fluid Mosaic Model
D. Lotka Voltera Model
E. All of the above

78. In a typical nucleotide the nitrogenous base is attached to ____________ carbon of pentose sugar.

A. 6th
B. 5th
C. 4th
D. 3rd
E. 1st

79. Binomial nomenclature was first time proposed by ____________

A. Charles Darwin (1859)
B. Rodulph Virchow (1855)
C. Louis Pasteur (1862)
D. Carolus Linnaeus (1707)
E. Robert Brown (1773)

80. ____________ causes amoebic dysentery in humans.

A. Pelomyxa palustris
B. Entamoeba histolytica
C. Trichonympha
D. Trypanosoma
E. Radiolarian ooze

81. The main process that occurs in the dark reaction in photosynthesis is

A. That water is split
B. Light energy is converted into chemical energy
C. That glucose is oxidized
D. That carbon dioxide is fixed
E. None of the above

15. If the resultant intensity of the interfering waves is zero or less than the intensity of the individual waves, then this type of interference is:

A. Destructive Interference
B. Constructive Interference
C. Stable Interference
D. Both A and B
E. None of the above

16. The dimensions of acceleration are:

A. LT^{-1}
B. LT^{-2}
C. L^3
D. L^2
E. LT^2

17. All of the following is/are scalar quantity/ies, except:

A. temperature
B. density
C. volume
D. force
E. speed

18. $\vec{R}_1$ and $\vec{R}_2$ are two position vectors making angles θ_1 and θ_2 with positive X-axis respectively. Their vector product is:
$[R_1 = 4\text{ cm}, R_2 = 3\text{ cm}, \theta_1 = 30°, \theta_2 = 90°]$

A. $12\sqrt{3}$
B. $6\sqrt{3}$
C. $6\sqrt{12}$
D. $12\sqrt{6}$
E. $3\sqrt{6}$

19. Projectile must be launched at which angle with the horizontal to attain maximum range?

A. 90°
B. 45°
C. 75°
D. 105°
E. 145°

20. The ... follo...

21. A s...

22. Th...

23. A...

24. ...

20. The sinusoidal wave form can be varied by using which of the following parameters?

I. Frequency of the carrier wave
II. Amplitude of the carrier wave
III. Phase angle

A. I only
B. I and II only
C. I and III only
D. III only
E. I, II and III

21. A semi conductor photodiode is a:

A. Reverse biased Junction diode
B. Forward biased Junction diode
C. Half wave rectifier
D. Full wave rectifier
E. Transistor

22. The speed of light is very nearly equal to:

A. 5×10^{8} m/sec
B. 3×10^{16} m/sec
C. 4×10^{8} m/sec
D. 3×10^{8} m/sec
E. 7×10^{8} m/sec

23. Application/s of laser is/are:

A. to perform precision surveying and length measurements
B. as a potential energy source for including nuclear fusion reactions
C. for telephone communications along optical fibers
D. for precision cutting of metals and other materials
E. all of the above

24. Radiation can cause:

A. Leukemia
B. Radiation sickness
C. Skin cancer
D. Gene mutations
E. All of the above

ENGLISH

Read the passage to answer questions 1-2

It is of course a trifle absurd to speak of Asia as a unity, and only opposition to Western Imperialism has caused people to think in these terms. Asia contains half the population of the world and at least three very distinct civilizations: that of Islam, that of India, and that of China. These differ from each other just as much as they differ from the civilization of Christendom, and there is not the faintest reason to expect them all to act in unison. What is to be hoped is, not an endeavor after cultural or political unity, but a determination to uphold independence at home and to respect it elsewhere - and when I speak of independence, I am not thinking only of politics, but also of culture. There is a great danger of too much cultural uniformity. No great civilization has ever been cosmopolitan.

1. In the view of the author, what is the harm of cultural uniformity?
   - A. It will not lead to the formation of a great civilization
   - B. It will lead to the formation of a great civilization
   - C. It will lead to the formation of rich culture
   - D. It will lead to the change of environment
   - E. It will lead to the destruction of values

2. The author is in favor of
   - A. Cultural uniformity
   - B. Cosmopolitism
   - C. Political and cultural independence
   - D. Unity of Asia
   - E. None of the above

Complete the sentences by choosing the most appropriate word, from the given lettered choices (A to E) below each.

3. Nearly everyone dreams of building _______ ideal house.
   - A. its
   - B. their
   - C. his
   - D. him
   - E. them

4. Life _______ water, light, a moderate temperature and a variety of chemical elements.
   - A. finds
   - B. reveals
   - C. designs
   - D. calculates
   - E. requires

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VERBAL

uestions 1-2 are based on the following passage.

he fact that we were all as safe as kittens under a cook-stove did ot, however, assuage in the least the fine despair and the grotesque esperation which seized upon the residents of the East Side when he cry spread like a grass fire that the dam had given way. Some of he most dignified, staid, cynical, and clear thinking men in town bandoned their wives, stenographers, homes, and offices and ran ast. There are few alarms in the world more terrifying than 'The dam as broken!' There are few persons capable of stopping to reason when that clarion cry strikes upon their ears, even persons who live n towns no nearer than five hundred miles to a dam.

1. The phrase "spread like a grass fire" means

   A. rapid spread
   B. fire fighting
   C. grass growth
   D. dreadful sight
   E. hidden news

2. Identify the phrase in which the people of the East Side experienced one of the deadliest fears of their lives:

   A. "The dam has been destroyed"
   B. "The dam is safe"
   C. "The dam has broken"
   D. "The dam has not broken"
   E. "The dam is overflowing"

Complete the sentences by choosing the most appropriate word, from the given lettered choices (A to E) below each.

3. The injured player was taken __________ the field.

   A. of
   B. off
   C. out
   D. in
   E. by

4. The box is __________ green out side and white inside.

   A. carved
   B. created
   C. painted
   D. chiseled
   E. molded

Villingness to take part in teacher's demonstration is:

A. Receiving
B. Responding
C. Cauterization
D. Valuing
E. Organization

perant conditioning refers to:

A. learning through association
B. learning through observation
C. learning through consequences
D. learning through reinforcements

ágmatism in education philosophy is also named:

A. Scholasticism
B. Thomism
C. Idealism
D. Experientialism

school leadership which takes care of lower-level needs i
rmed as:

A. Instructional leadership
B. Transactional leadership
C. Functional leadership
D. Managerial leadership

16.Willingness to take part in teacher's demonstration is:

A. Receiving
B. Responding
C. Cauterization
D. Valuing
E. Organization

17.Operant conditioning refers to:

A. learning through association
B. learning through observation
C. learning through consequences
D. learning through reinforcements

18.Pragmatism in education philosophy is also named:

A. Scholasticism
B. Thomism
C. Idealism
D. Experientialism

19.A school leadership which takes care of lower-level needs is termed as:

A. Instructional leadership
B. Transactional leadership
C. Functional leadership
D. Managerial leadership

0.Which one of the following is the source of mistakes in educational measurements?

A. Teacher's educational background
B. Examination system of the board
C. Tools used in educational assessment
D. In-effective teaching methodology

.When referring to Bloom's taxonomy, remembering refers to:

A. recognizing and recalling
B. constructing meaning from different functions
C. carrying out a procedure
D. breaking material or concepts into parts

22.Kinesthetic l

A. he
B. as
C. fi
D. st

23.Accomplish

A. c
B. s
C.
D.

24.The state
matter" is

A.
B.
C.
D.

25.Who is a

A.
B.
C.
D.
E.

ENGLISH

Questions 1-3 are based on the following passage.

Psychologists have found that privately made resolutions are rarely followed. *whereas a public commitment to achieve some goal, such as losing weight or giving up smoking, is likely to be much more effective. This is because the approval of others for reaching one's target is valued.* In contrast, disapproval for failure can lead to feelings of shame.

Advertising agencies have designed studies hearing out the truth of this observation. In their research, a group of strangers was bombarded with information about the qualities of a particular product. They were then asked to either announce out loud or write down privately whether they intended to buy the product. It was later discovered that those who publicly declared their intention to buy were considerably more likely to do so than those who affirmed their intentions in private.

In another study, an experimenter claiming to represent a local utility company interviewed homeowners, telling them he was investigating ways in which energy consumption could be reduced. Half the subjects, randomly selected, were told that if they agreed to conserve energy, their names would be mentioned in an article published in the local newspaper: the remaining half were told their names would not be used. All those interviewed agreed to cooperate and signed a form either giving consent for their names to be used or stating that their names would not be used. Later in the year, the amount of gas consumed in each house was recorded. The owners who had agreed to their names being published had used significantly less gas than those who remained anonymous.

1. It can be inferred that all of the following help motivate a person to achieve a goal EXCEPT:

   A. a desire for approval
   B. a fear of disapproval
   C. a fear of failure
   D. a sense of noncommitment

Why were advertising agencies probably interested in conducting their study?

   A. They want to introduce their people to more products.
   B. They wanted to demonstrate the quality of their clients' product.
   C. They wanted to know if people intended to purchase their clients' products.
   D. They wanted to find the best way to get people to buy their clients' products.

SUBJECT TWO

76. According to the instruction for the year 2014-15 Non Salary Budget, which one of the following comes under the heading 'Fixed' for the purpose of allocation of Non Salary Budget?

A. Photocopying and printing
B. Electricity, minor repair
C. Computer and other requirements
D. Learning material

77. The Non Salary Budget can give the __________ tools which may be used by them for structuring finance rules and accountability mechanisms for managing incentives.

A. Provincial governments/district governments
B. Tehsil governments/district governments
C. District governments/ School Management Councils
D. Union councils

78. What is the name of the body/authority authorized to allocate funds to schools under the Non Salary Budget formula?

A. DPIS
B. CPDT
C. PERSP
D. PMIU

79. Psychosis is a sign of an underlying mental illness and temporary loss of contact with:

A. reality
B. memory
C. hearing
D. smelling

80. The act of bullying with cruel spoken words, involves ongoing name-calling, threatening, and making disrespectful comments about someone's attributes is named as:

A. Physical bullying
B. Verbal bullying
C. Relational bullying
D. Cyber bullying

47."Islam is based on five pillars: to declare that there is no God but Allah and Hazrat Muhammad (SAW) is the Messenger of Allah, to establish prayers, to pay Zakat, to perform the pilgrimage and to fast in Ramazan". It is:

A. Qur'anic verse
B. Hadis of the Holy Prophet
C. Saying of Sahaba
D. Commonly accepted principle

48.Which was the first battle fought by the Muslims against the Makkans?

A. Khyber
B. Tabook
C. Khandaq
D. Badr

49.Religiously required per capita yearly tax historically levied by Islamic States on certain non-muslim subjects is known as:

A. Ushr
B. Khums
C. Jizya
D. Takaful

50.What is the meaning of Bashir?

A. The messenger of good news
B. The prophet
C. The illuminating
D. The true friend

51.When was the All India Muslim League formed?

A. 1905
B. 1906
C. 1907
D. 1908
E. 1909

52.Who was the first Sindh Education Minister?

A. Pir Illahi Bukhsh
B. Pir kamal
C. Pir Paghara
D. Pir Shah Pyaray
E. Pir Meher Ali Shah

26. اردو کے کس مرثیہ نگار نے مرثیے کو مستقل فن کی صورت دی؟
A. سودا
B. میر ضاحک
C. میر ضمیر
D. میر انیس
E. مرزا دبیر

27. ملاوجہی کی داستان "سب رس" کا قصہ موضوعی حوالے سے کیا ہے؟
A. تاریخ
B. رومانیات
C. عشق
D. تمثیل
E. افسانہ طرازی

28. غالب پر لکھی گئی کس کتاب میں زیادہ تر مواد ان کے خطوط سے لیا گیا ہے؟
A. یادگار غالب
B. تنقید غالب کے سو سال
C. عود ہندی
D. نوائے سروش
E. ماہ نیم ماہ

29. اس شعر میں صنائع معنوی کی کون سی خوبی ہے؟
ایک سب آگ ایک سب پانی
دیدہ و دل عذاب ہیں دونوں
A. صنعت تضاد
B. صنعت مقابلہ
C. لف و نشر
D. لف و نشر غیر مرتب
E. لف و نشر مرتب

30. "وتدمجموع" سے کیا مراد ہے؟
A. سبب خفیف
B. سبب ثقیل
C. فاصلہ صغریٰ
D. فاصلہ کبریٰ

8. EXHIBITIONIST: ATTENTION::

A. sycophant: turmoil
B. scientist: power
C. megalomaniac: solitude
D. martyr: anonymity
E. mercenary: money

9. ANARCHY: ORDER::

A. desolation: annihilation
B. ineptitude: skill
C. bastion: aegis
D. chaos: disarray
E. parsimony: elegance

Change the voice of the following. (Active & passive voice)

10. Ali put his coat on, because it was cold.

A. His coat was put on by Ali, because it was cold.
B. His coat put on by Ali, because it was cold.
C. His coat is put on by Ali, because it was cold.
D. His coat is being put on by Ali, because it is cold.
E. His coat will be put on by Ali, because it is cold.

11. Unless the sale starts, I will not buy the watch.

A. The watch will not being bought by me unless the sale starts.
B. The watch will not been bought by me unless the sale starts.
C. The watch will not be bought by me unless the sale starts.
D. The watch shall not be being bought by me unless the sale starts.
E. The watch would not be bought by me unless the sale starts.

82. The Non Salary Budget can give the ________ tools which may be used by them for structuring finance rules and accountability mechanisms for managing incentives.

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B. Tehsil governments/district governments
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A. Physical bullying
B. Verbal bullying
C. Relational bullying
D. Cyber bullying

36. لفظ "ایہام" سے کیا مراد ہے؟

A. وسوسہ
B. فریب
C. وہم
D. جادو
E. امید

37. کس شاعر نے شعرائے ہند کی شاعری کا رخ فارسی سے اردو طرف موڑا؟

A. میرحسن
B. ذوق
C. غالب
D. درد
E. خان آرزو

38. کس کلاسیکی غزل گو کی غزل "واہ" کی علامت ہے؟

A. نصرتی
B. ولی
C. نشاطی
D. سودا
E. مظہر جان جاناں

39. اس شعر میں علم بیان کی کون سی خوبی ہے۔

شمع کی مانند ہم اس بزم میں
چشم نم آئے دامن تر چلے

A. کنایہ
B. مجازمرسل
C. استعارہ
D. تشبیہ
E. تصریح

40. جرأت کی مثنوی "بحر الفت" کا موضوع کیا ہے؟

A. عشق
B. تصوف
C. ہجر
D. شکایت زمانہ

ISL

41. Under the const
Islamic Ideolog
Islamization of

A. reco
B. instr
C. orde
D. requ
E. adv

42. Lofty snow c
among them
_____ pass

A. Kh
B. To
C. B
D. K

43. Which of t
Party afte

A.
B.
C.
D.

44. The birt

A.
B.
C.
D.

45. "Bait-

A
B
C
D

46. What

3. This passage supports which of the following conclusions?
   A. Commitments made in private are more likely to ...
   B. Disapproval for failure makes people less willing to ... public commitments.
   C. Intentions announced out loud are more effective ... those published in newspapers.
   D. Well-informed people are more likely to publicly ... their intentions.

Complete the sentences by choosing the most appropriate option, from the given choices (A to D/E) below each.

4. As genetic research and data grow in respect and amount, the question of ______ vs. environment, or nature vs. ______ ... painfully resolving itself, with the geneticists currently in command.
   A. genes ... culture
   B. personality ... modernity
   C. upbringing ... civilization
   D. heredity ... nurture
   E. family ... community

5. Furniture designed by Sara has clean, simple lines; it lacks the ______ embellishments found in some other styles.
   A. severe
   B. ornate
   C. untoward
   D. unadorned
   E. understand

6. If the consultant ______ that we should hire more staff, Ali wouldn't be working here now.
   A. should not recommend
   B. doesn't recommend
   C. hadn't recommended
   D. wasn't recommend

Five options (A to E) follow a related pair of words given in capitals. Select the option that best expresses a relationship similar to that expressed in the original pair.

7. INTRANSIGENT : FLEXIBILITY::
   A. transient : mobility
   B. disinterested : partisanship
   C. dissimilar : variation
   D. progressive : transition
   E. ineluctable : modality

8. EXHIBITIONIST: ATTENT...
   A. sycophant: tu...
   B. scientist: pow...
   C. megalomania...
   D. martyr: anon...
   E. mercenary: ...

9. ANARCHY: ORDER::
   A. desolation: ...
   B. ineptitude: ...
   C. bastion: a...
   D. chaos: dis...
   E. parsimon...

Change the voice ...

10. Ali put his coat or...
   A. His coa...
   B. His coa...
   C. His coa...
   D. His co...
   E. His co...

11. Unless the sale...
   A. The ... star...
   B. The ... sta...
   C. Th... st...
   D. Th... s...
   E. T... s...

Join our group "Jaranwala Educators"

31. مرزا ادیب کی وجہ شہرت کن ڈراموں کی بدولت ہے؟
A. اسٹیج
B. ریڈیو
C. ٹی وی
D. کتابی
E. معاشرتی

32. "مردم دیدہ" کے خاکوں کا موضوع کیاہے؟
A. لوگ
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34. 'قطعہ کلامی' کس کی تخلیق ہے ؟
A. انورمسعود
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B. خوشی
C. لطف اندوزی
D. امید
E. جنگ

ISLAMIYAT/SOCIAL STUDIES

41. Under the constitution of 1973 of Pakistan, the prime function of Islamic Ideological Council is to ________ steps for Islamization of State and Society in Pakistan.

A. recommend
B. instruct
C. order
D. request
E. advise

42. Lofty snow covered mountains lie between Pakistan and China, among them Karakoram Highway links the two countries via the ______ pass.

A. Khunjerab
B. Tochi
C. Bolan
D. Khyber

43. Which of the following parties emerged as single majority Political Party after 1970 general election in West Pakistan?

A. Muslim League
B. Jamat-i-Islami
C. Pakistan Peoples Party
D. National Awami Party

44. The birth year of Hazrat Muhammad (SAW) is called ________.

A. Am ul Hazoor
B. Am ul Feel
C. Am ul Ka'aba
D. Am ul Makkah

45. "Bait-e-Rizwan" was made to take the revenge of:

A. Hazrat Hamzah (RA)
B. Hazrat Usman (RA)
C. Hazrat Ali (RA)
D. Hazrat Umar (RA)

46. What do you understand by "Al-Fay"?

A. Land cultivated by Muslims
B. Land cultivated by Non-Muslims
C. Conquered land by Muslims which became the property of Islamic state
D. Hill...

SUBJECT TWO

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B. Electricity, minor repair
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A. { 10, 30, 50 }
B. { 10, 20, 30, 40 }
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68.Which of the following is the successor of 625,980?

A. 625,979
B. 625,980
C. 625,981
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69.How many non-collinear points determine a plane?

A. 5 points
B. 4 points
C. 3 points
D. 2 points
E. 1 point

70.The profit of Rs. 40,000 at the rate of 3% per year for 4 years is Rs:

A. 5,800
B. 4,890
C. 4,850
D. 4,800
E. 480

71.Which of the following test items is best suited for measuring performance in expression?

A. MCQs
B. Fixed Choice
C. Essay Type
D. Short Answer questions
E. True/false

72. The process of examining student responses to individual test items to assess the quality of those items as a whole is known as

A. Item difficulty
B. Item discrimination
C. Item analysis
D. Item index
E. Item scanning

73.The proper action verb
Application in cognitive

A. demonstrate
B. construct
C. appreciate
D. list

74.The concept of struct
taxonomy was propo

A. Kant
B. Bloom
C. Biggs
D. Skinner

75.In response to a cu
time. Such sort of f

A. Choral R
B. Idea Spir
C. Analogy
D. Portfolio

t session of Constituent Assembly of Pakistan was held on:

A. 11th August 1947
B. 14th August 1947
C. 17th August 1947
D. 21st August 1947
E. 23rd August 1947

eaty of Hudaybiyyah was signed between:

A. Different tribes of Mecca and Madina
B. Muslims of Mecca and Madina
C. Quraish of Mecca and Muslims of Madina
D. Muslims of Mecca and other tribes

.The Change of Qibla from Bait-ul-Muqaddas to Mecca took place in:

A. 5 A.H
B. 4 A.H
C. 3 A.H
D. 2 A.H
E. 1 A.H

95.The companion of Prophet(SAW) whose body was desecrated and mutilated in the Battle of Uhud was:

A. Abu Sufyan
B. Hazrat Hamza
C. Hazrat Ali
D. Hazrat Usman

96.As a safety measure, emergency phone numbers must be included in ______________ and posted in classrooms by the school administration.

A. students diaries
B. school handbooks
C. student bags
D. student homework
E. student dozier

97.To ensure children's safety, every room in the school should have a map posted identifying ________ way(s) out.

A. one
B. two
C. three
D. four
E. five

SUBJECT TWO

76. The authority to establish a Farogh-e-Taleem Fund for schools been granted under the ________.

A. Punjab Farogh-e-Taleem Act, 2013
B. Punjab Free and Compulsory Education Act, 2013
C. Punjab Free and Compulsory Education Act, 2014
D. Punjab Education Quality Improvement Act, 2015

77. For how many districts of Punjab was the Non Salary Budget started in the year 2013-14?

A. Fifteen
B. Fourteen
C. Twelve
D. Ten
E. Eight

78. Who will maintain, in the prescribed manner, a record of children up to the prescribed age limit residing within its jurisdiction?

A. Head of the school
B. Local Government
C. District Education Officer
D. Provincial Government

79. What are the two distinct parts of a file?

A. Comments part and correspondence part
B. Correspondence part and observations part
C. Critical part and non-critical part
D. Correspondence part and noting part

0. Which one of the following processes is excluded from the most correct definition of record keeping in a school or office?

A. Receiving
B. Commenting
C. Classifying
D. Preserving

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2. The Non Salary be used by the mechanisms f

A. Prov
B. Teh
C. Dist
D. Uni

3. What is the n funds to sch

A. DP
B. CP
C. PE
D. PM

4. Psychosis is loss of cont

A. re
B. m
C. h
D. s

5. The act of name-calli about som

A.
B.
C.
D.

44. The characteristics of the tool that it measures what it is designed to measure is:

A. Validity
B. Objectivity
C. Reliability
D. Usability

45. To determine the students level at the beginning of the instruction, teacher uses:

A. Placement Assessment
B. Formative Assessment
C. Diagnostic Assessment
D. Summative Assessment

46. A test is said to be valid when it:

A. is fair and free from teacher bias
B. measures what it claims to measure
C. produces consistent results, over time
D. has safeguards against cultural bias

47. Education administrators of a particular district want to find out how well their district is achieving standards set by the government. What sort of test should be used for this purpose?

A. Norm-referenced
B. Criterion-referenced
C. Functionally-referenced
D. Teacher-referenced

48. The incorrect options in multiple choice questions are named as:

A. Responses
B. Premises
C. Distracters
D. Answers
E. Hurdles

49. Comprehension is the ________ level in the Bloom's Taxonomy of Educational Objectives.

A. first
B. second
C. third
D. fourth

/illingness to take part in teacher's demonstration is:

A. Receiving
B. Responding
C. Cauterization
D. Valuing
E. Organization

perant conditioning refers to:

A. learning through association
B. learning through observation
C. learning through consequences
D. learning through reinforcements

agmatism in education philosophy is also named:

A. Scholasticism
B. Thomism
C. Idealism
D. Experientialism

school leadership which takes care of lower-level needs i
rmed as:

A. Instructional leadership
B. Transactional leadership
C. Functional leadership
D. Managerial leadership

53. With which one of the following will you associate Bolan Pass?

A. Baluchistan
B. KPK
C. Sind
D. Punjab
E. Gilgit Baltistan

54. Pakistan's "Five years Plan" started with the help of ______

A. USA
B. UK
C. Canada
D. Saudi Arabia
E. Sudan

55. The need for a greater international understanding is more today than ever because of the issue of ______ in the recent past

A. floods
B. wars
C. diseases
D. terrorism
E. Illiteracy

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B. خوشی
C. لطف اندوزی
D. امید

73. The proper action verb to formulate SLOs for the level of Application in cognitive domain of Bloom's Taxonomy is:

A. demonstrate
B. construct
C. appreciate
D. list

74. The concept of structure of observed learning outcomes (SOLO) taxonomy was proposed by:

A. Kant
B. Bloom
C. Biggs
D. Skinner

75. In response to a cue, all students answer verbally at the same time. Such sort of formative assessment is called:

A. Choral Response
B. Idea Spinner
C. Analogy Prompt
D. Portfolio Check

ears is

ring

est
vn as:

8.The process in the ecosystem which is a response to excess nutrients stimulating excessive plant growth is called:

A. Decentralization
B. Eutrophication
C. Bioaccumulation
D. Purification
E. Anaerobic respiration

9.An environmental protocol is a sort of international law, inter as legally binding with a primary stated purpose of preventin managing human impacts on:

A. Industrial growth
B. Global Economic growth
C. Strategic relations
D. Natural resources

00. Which of the following is NOT a prime aim of international protocols for environment?

A. Reduction of emission of four Green House Gases
B. Resolving the environmental issues
C. Encouraging the utilization of fossil fuels
D. Controlling environmental Pollution

27. The specific learning outcomes should be realistic, observable and:

A. Relevant
B. Measurable
C. Valid
D. Comprehensive
E. Teachable

28. In 'Little by Little One Walks Far', the first job of the writer was:

A. at a boarding school
B. at the English language center
C. at McDonalds'
D. at D.K academy

29. Great Expectations is a story from __________.

A. 17th century
B. 18th century
C. 19th century
D. 21st century

30. In lesson 'Faithfulness', 'Halt' refers to __________.

A. Stay
B. Stop
C. Eat
D. Mount
E. Crash

31. Which of the following is a jelly-like substance which makes up most of the cells in both plants and animals?

A. Epidermis
B. Cytoplasm
C. Palisade
D. Chloroplast

32. In human beings, hydrogen ion concentration of blood is mainly maintained by:

A. Evaporation
B. Respiration
C. Osmo-regulation
D. Sweating
E. Transpiration

Change the narration of the following (Direct & indirect speech)

12."When will he be back?" She said. "I have a secret to share with him."

A. She inquired when he will be back and said that she had a secret to share with him.
B. She inquired when he would be back and said that she had a secret to share with him.
C. She asked when he would be back and said that she has a secret to share with him.
D. She inquired when he be back and asked that she had a secret to share with him.
E. She inquired when he comes back and said that she has a secret to share with him.

13."Good morning!" The maid said when she saw me. "How are you today? I heard you had been very ill."

A. The maid exclaimed with sorrow that I had been very ill and asked how am I now.
B. The maid greeted me and told that she heard about my illness.
C. The maid greets me and asks about my health, adding that she had heard that I had been very ill.
D. The maid greeted me and asked about my health, adding she had heard that I had been very ill.
E. The maid greeted me and asked about my health, adding that she heard that I had been very ill.

Each of the following questions consists of a sentence with all or part of the sentence underlined. Following the requirements of standard written English, select (A) if the original is best; otherwise choose the best phrase from the options.

14. Having the same strength but much less weight when compared with metal, carbon fiber plastic composites are ideal materials for prostheses to replace lost limbs.

A. Having the same strength but much less weight when compared with metal,
B. By being stronger and having much less weight than metal
C. Stronger and less weightier than metal
D. With the same strength but much less weighty when compared with metal
E. As strong as and lighter than metal

15.Renais
artists
resultir

A.
B.
C.
D.
E.

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PEDAGOGY

16. Which one of the following is the source of mistakes in educational measurements?

A. Teacher's educational background
B. Examination system of the board
C. Tools used in educational assessment
D. In-effective teaching methodology

17. When referring to Bloom's taxonomy, remembering refers to:

A. recognizing and recalling
B. constructing meaning from different functions
C. carrying out a procedure
D. breaking material or concepts into parts

18. Kinesthetic learning style refers to:

A. hearing and speaking
B. association with images
C. first see what they expect to know
D. students carrying out physical activities

19. Accomplished teacher is the one who:

A. covers syllabus on time
B. stays full time during his lesson
C. maintains discipline in the class
D. captures and sustains the interest of students

20. The statement "Disciplined questioning is to get the truth of the matter" is given by:

A. Socrates
B. Aristotle
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C. لطف اندوزی
D. امید
E. جنگ

URDU

26. اردو کے کس مرثیہ نگار نے مرثیے کو مستقل فن کی صورت دی؟

A. سودا
B. میر ضاحک
C. میر ضمیر
D. میر انیس
E. مرزا دبیر

27. ملاوجہی کی داستان "سب رس" کا قصہ موضوعی حوالے سے ہے؟

A. تاریخ
B. لسانیات
C. عشق
D. تمثیل
E. افسانہ طرازی

28. غالب پر لکھی گئی کس کتاب میں زیادہ تر مواد ان کے خطوط سے لیا گیا ہے۔

A. یادگار غالب
B. تنقید غالب کے سو سال
C. عود ہندی
D. نوائے سروش
E. ماہ نیم ماہ

29. اس شعر میں صنائع معنوی کی کون سی خوبی ہے؟

ایک سب اگ ایک سب پانی
دیدہ و دل عذاب ہیں دونوں

A. صنعت تضاد
B. صنعت مقابلہ
C. لف و نشر
D. لف و نشر غیر مرتب
E. لف و نشر مرتب

30. "وتدمجموع" سے

A. سبب خفیف
B. سبب ثقیل

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33. Which of the following is NOT an element because it is a mixture of iron, carbon and chromium?

A. Magnesium
B. Zinc
C. Neon
D. Steel
E. Silver

34. Cement powder mixed with water forms a thick suspension, called a ________.

A. lotion
B. hybrid
C. cleaner
D. slurry

35. مرزا محمد سعید کراچی یونیورسٹی میں ________ تھے۔

A. کلرک
B. ڈی پی او
C. مشیر
D. وائس چانسلر

36. سبق "پرستان کی شہزادی" میں موجود " خاتون " روٹی کے عوض ________ کے بچوں کو قرآن پڑھا یا کرتی تھیں۔

A. سردار صاحب
B. صاحب بہادر
C. میر صاحب
D. چوہدری صاحب

37. 'چغل خور' اپنے مالک کے بارے میں بتاتا ہے کہ اسے ________ کی بیماری ہو گئی ہے۔

A. ٹی بی
B. کینسر
C. یرقان
D. کوڑھ

URDU

26. مرزا ادیب کی وجہ شہرت کن ڈراموں کی بدولت ہے؟

A. اسٹیج
B. ریڈیو
C. ٹی وی
D. کتابی
E. معاشرتی

27. "مردم دیدہ" کے خاکوں کا موضوع کیاہے؟

A. لوگ
B. اشخاص
C. منظر
D. احباب

28. یہ شعر کس صنف سے تعلق رکھتا ہے؟

پہنچتا ہے ہر اک مے کش کے آگے دور جام اس کا
کسی کو تشنہ لب رکھتا نہیں ہے لطف عام اس کا

A. حمد
B. نعت
C. غزل
D. نظم
E. منقبت

29. 'قطعہ کلامی' کس کی تخلیق ہے؟

A. انورمسعود
B. انورمقصود
C. ابن انشاء
D. مستنصرحسین تارڑ
E. انتظارحسین

30. میرتقی میرکی غزلیات کا بنیادی موضوع کیاہے؟

A. غم
B. خوشی
C. لطف اندوزی
D. امید

.Which of the following vitamins is NOT found in carrot?

A. D
B. C
C. B
D. A

87. Which of the following is correct description of Laceration?

A. Cut caused by sharp object
B. Sun stroke
C. A state of choking
D. A state of Nausea

88. Which of the following justify the concept of the belief that groups of people are better than others?

A. Racism
B. Tolerance
C. Prejudice
D. Genocide

9. All of the following are included in the intolerance EXCEPT?

A. Physical intolerance
B. Verbal intolerance
C. Cyber intolerance
D. Fear intolerance
E. Social intolerance

). When were the first provincial election conducted in subcontinent under British rule?

A. 1935
B. 1936
C. 1937
D. 1940
E. 1941

. Cabinet Mission was sent by British Government to negotiate independence options. It consisted of ______ members.

A. 2
B. 3
... 4

92. First se

A.
B.
C.
D.
E.

93. Treaty of

A.
B.
C.
D.

94. The Change

A. 5
B. 4
C. 3 A
D. 2 A
E. 1 A

95. The companio mutilated in th

A. Abu
B. Hazra
C. Hazra
D. Hazra

96. As a safety mea in ______ administration.

A. student
B. school h
C. student
D. student
E. student

97. To ensure children's a map posted identi

A. one
B. two
C. three
D. four
E. five

Villingness to take part in teacher's demonstration is:

A. Receiving
B. Responding
C. Cauterization
D. Valuing
E. Organization

perant conditioning refers to:

A. learning through association
B. learning through observation
C. learning through consequences
D. learning through reinforcements

agmatism in education philosophy is also named:

A. Scholasticism
B. Thomism
C. Idealism
D. Experientialism

school leadership which takes care of lower-level needs i
rmed as:

A. Instructional leadership
B. Transactional leadership
C. Functional leadership
D. Managerial leadership

38. A school is considered to be child friendly if it provides all of the following EXCEPT:

A. Safe environment
B. Healthy environment
C. Protective environment
D. Relaxed discipline

39. The classroom teaching requires teachers to pay greater attention to:

A. The classroom discipline
B. The subject matter
C. The needs of every individual child
D. The teaching method

40. In Pakistan for promoting a child friendly atmosphere in the entire department of education, the Government of Punjab has linked it with its policy of:

A. Recruitment of educators and AEOs
B. Up-gradation of schools
C. Improvement of examination system
D. Release of grants

41. Professional Development Teachers appointed in TARCs were necessarily:

A. Mixed i.e. male and female
B. Male
C. Female
D. Gender-wise rotated

42. Relationship of contents of a subject at different classes in school curriculum is called:

A. Centralization
B. Horizontal Organization
C. Vertical Organization
D. Decentralization

43. Hilda Taba's Curriculum Model has:

A. Seven Stages
B. Nine Stages
C. Three Stages
D. Five Stages

22. Kinesthetic learning style refers to:

A. hearing and speaking
B. association with images
C. first see what they expect to know
D. students carrying out physical activities

23. Accomplished teacher is the one who:

A. covers syllabus on time
B. stays full time during his lesson
C. maintains discipline in the class
D. captures and sustains the interest of students

24. The statement "Disciplined questioning is to get the truth of the matter" is given by:

A. Socrates
B. Aristotle
C. Plato
D. Pythagoras

25. Who is advocate of the Cognitive Theory of teaching?

A. Benjamin Bloom
B. McDonald
C. Rayon
D. Nathaniel Lees Gage
E. BF Skinner

Useful links for the the preparation of Tests

GK Mcqs: https://www.pakistanbix.com/category/general-knowledge-mcqs/

Pak Study Mcqs: https://www.pakistanbix.com/category/pak-studies-mcqs/

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